NEOTEX®

CONSTRUCTION CHEMICALS SINCE 1959

PRODUCT CATALOGUE

NEOTEX® has been established in 1959 in Greece and today is one of the leading manufacturers in several markets worldwide in the fields of **Liquid Waterproofing** (Polyurea, PU, hybrid, cementitious & more), **Resinous Flooring** (polyaspartic polyurea, epoxy, PU, polymer-modified), **Energy Saving** and **Repairing** solutions.

All these years, the company's constant strategy has been to differentiate not only in quality, but also in innovation and technical support. Due to these pillars of the company's structure, **NEOTEX®** nowadays enjoys long term relationships with its partners, and continuously expands its presence to diverse markets, in Europe, Africa, Asia, America.

NEOTEX® has been certified by TÜV CERT with DIN EN ISO 9001:2015 for the application of a management system in line with the above standard for the R&D, production, sales (incl. exports), distribution and technical support of specialized construction materials.

The past and present experience, the innovation, the specialization, combined with a well-perceived and carefully executed development plan, allow **NEOTEX®** to look into the future with optimism and to launch every year new-technology and premium quality products in its fields of expertise, keeping in paramount place the initial goal: the satisfaction of the clients' needs.

NEOTEX®

WATERPROOFING SYSTEMS

RESINOUS FLOORING

REPAIRING

ENERGY SAVING

Contents

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RESINOUS FLOORING

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SPECIALIZED PRODUCTS

WATERPROOFING

WATERPROOFING SYSTEMS

WATERPROOFING

Neoproof® Polyurea System

Description

Brushable elastomeric polyaspartic polyurea waterproofing coatings
for the long-lasting protection of construction surfaces in diverse applications

CE
ETAG 005
For liquid applied roof waterproofing kits Polyurea based
Certified by
EOTA

Fields of application

- Concrete roofs
- Metallic surfaces
- Bitumen membranes
- Over new or old waterproofing coatings
- On top of new PU foam insulation
- Water tanks (non-potable water)
- Non-exposed surfaces (e.g. under tiles)
- Foundation (exterior) walls

Properties - Advantages

- Zero water absorption
- Excellent resistance to early rain
- Ultra-long service life period
- Real long-term UV resistance
- Outstanding mechanical properties
- Remarkable adhesion on a wide variety of substrates
- Application by roller, brush or airless spray

Neoproof® Polyurea – Compliance with ETAG 005	
Useful life	Category **W3** (expected useful life of 25 years)
Climate zones	Category **M** & **S** (moderate and severe climate)
Roof slope	Category **S1** – **S4** (slope <5% till >30%)
User load	Category **P4** (special, heavy)

VERSIONS & MAIN TECHNICAL CHARACTERISTICS

Material	Description	Tensile strength at break (MPa)	Elongation at break (%)	Hardness Shore A
Neoproof® Polyurea	Pure aliphatic, brushable polyurea with extreme resistance to UV radiation	11,1	420	78
Neoproof® Polyurea R	Brushable polyurea coating for exposed & non-exposed applications	8,6	400	73
Neoproof® Polyurea H	Brushable, multi-purpose, hybrid polyurea-polyurethane system	4,4	430	60
Neoproof® Polyurea C1	Brushable, high-build polyurea, applicable in a single coat	9,8	410	76

Lanzarote Airport, Las Palmas de Gran Canaria, Spain

Indicative applications of **Neoproof® Polyurea System**

Brushable Polyurea Systems

Neoproof® Polyurea

Innovative elastomeric waterproofing systems of outstanding durability

- Brushable
- Zero water absorption
- Real long-term UV resistance
- Incomparable mechanical properties
- Early rain resistance
- Ultra-long service life

Category W3
25 YEARS
ETAG-005

CE
ETAG 005
For liquid applied roof waterproofing kits
Polyurea based
Certified by
EOTA

CERTIFIED COOL MATERIAL

Neoproof® Polyurea

Description

Two-component, brushable elastomeric, pure aliphatic polyaspartic polyurea waterproofing coating, for the protection of exposed roofs. It exhibits outstanding UV stability, impeccable water uptake resistance and very high mechanical properties, thus protecting the substrate for ultra-long time periods.

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where extremely high resistance to ponding water is required
- Metallic surfaces
- Directly over new or old liquid waterproofing membranes
- Bitumen membranes
- As a topcoat over hot spray-applied aromatic polyurea
- Protection of PU foam insulation

Properties - Advantages

- Extreme resistance to UV radiation *(pure aliphatic)*
- Certified cool roofing properties (for the white colour shade)
- Impeccable water uptake resistance (zero absorption)
- Outstanding mechanical properties - walkable
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Blister-free final surface
- Resistant to early rain in 3 hours after its application
- Also applicable with airless spraying equipment
- Crack-bridging properties
- Long pot life
- Ultra-long service life secured

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	13:8
Elongation at break (ASTM D412)	420%
Tensile strength at break (ASTM D412)	11,1MPa
Adhesion strength (ASTM D4541)	>3N/mm^2
Hardness Shore A (ASTM D2240)	78
Hardness Shore D (ASTM D2240)	30
Service temperature	-35°C min. / +80°C max.
Resistance to fatigue movement - multiple crack bridging (ETAG 005, TR 008)	1000 cycles at -10°C (W3 – 25 years)
Resistance to UV ageing (ETAG 005, TR 010)	S / W3 / I4
Total Reflectance (SR%) (ASTM E 903-96)	87%
Solar Reflectance Index (SRI) (ASTM E1980-01)	109
Total Emittance (ASTM E408-71)	0,85
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	85% max
Ambient temperature	+5°C min. / +35°C max.
Pot life (+23°C)	100 minutes
Drying time (+23°C)	5 hours (tack-free)
Dry to recoat (+23°C)	18 hours
Early rain resistance	3 hours
Consumption	**1-1,2kg/m^2 for two layers (cementitious surfaces)**

Appearance

Viscous liquid

Colours

RAL 9003

Also available in light grey, oxide red.
Other shades upon request

Packing

Sets (A+B) of 21kg and 5,25kg

Neoproof® Polyurea R

CE

Description

Two-component, brushable elastomeric polyaspartic polyurea waterproofing coating for the protection of various surfaces. It exhibits long-term UV stability, remarkable water uptake resistance and very high mechanical properties.

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where extremely high resistance to ponding water is required
- Metallic surfaces
- Bitumen membranes
- Directly over new or old liquid waterproofing membranes
- Non-exposed surfaces (e.g. under tiles)
- Underground exterior walls (before backfilling)
- Water tanks (non-potable water)
- Protection of PU foam insulation

Properties - Advantages

- UV stable and walkable
- Exceptional water uptake resistance
- Very high mechanical properties
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Blister-free final surface
- Resistant to early rain in 1 hour after its application
- Also applicable with airless spraying equipment
- Crack-bridging properties
- Ultra-long service life secured

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	13:6
Elongation at break (ASTM D412)	400%
Tensile strength at break (ASTM D412)	8,6MPa
Adhesion strength (ASTM D4541)	>3N/mm^2
Hardness Shore A (ASTM D2240)	73
Hardness Shore D (ASTM D2240)	22
Service temperature	-35°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	85% max
Ambient temperature	+5°C min. / +35°C max.
Pot life (+23°C)	80 minutes
Drying time (+23°C)	3 hours (tack-free)
Dry to recoat (+23°C)	18 hours
Early rain resistance	1 hour
Consumption	**1-1,2kg/m^2 for two layers (cementitious surfaces)**

Appearance

Viscous liquid

Colours

RAL 9003 | RAL 7035 | RAL 3009

Other shades upon request

Packing

Sets (A+B) of 19kg
and 4,75kg (white only)

Version: Neoproof® Polyurea F

Brushable polyurea with enhanced resistance to fire, delaying the flame spread. Reaction to fire:
Class E acc. to **EN 13501-1**

Neoproof® Polyurea H

CE

Description

Two-component, brushable elastomeric, hybrid polyurea-polyurethane waterproofing coating for the protection of various surfaces. It exhibits remarkable water uptake resistance, high mechanical properties and excellent resistance to chalking.

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where high resistance to ponding water is required
- Metallic surfaces, e.g. pipes
- Bitumen membranes
- Directly over new or old liquid waterproofing membranes
- Non-exposed surfaces (e.g. under tiles)
- Underground exterior walls (before backfilling)
- Protection of PU foam insulation

Properties - Advantages

- Exceptional water uptake resistance
- High mechanical properties
- Remarkable resistance to UV radiation, without chalking
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Blister-free final surface
- Resistant to early rain in 3 hours after its application
- Also applicable with airless spraying equipment
- Crack-bridging properties
- Compatible with other **Neoproof® Polyurea** coatings
- Ultra-long service life secured

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	13,5:6,5
Elongation at break (ASTM D412)	430%
Tensile strength at break (ASTM D412)	4,4MPa
Adhesion strength (ASTM D4541)	>3N/mm^2
Hardness Shore A (ASTM D2240)	60
Service temperature	-35°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	85% max
Ambient temperature	+5°C min. / +35°C max.
Pot life (+23°C)	80 minutes
Drying time (+23°C)	8 hours (tack-free)
Dry to recoat (+23°C)	24 hours
Early rain resistance	3 hours
Consumption	**1-1,2kg/m^2 for two layers (cementitious surfaces)**

Appearance

Viscous liquid

Colours

RAL 1015

Other shades upon request

Packing

Sets (A+B) of 20kg

Neoproof® Polyurea C1

CE

Description

Innovative, two-component, high-build elastomeric brushable polyaspartic polyurea waterproofing coating for exposed roofs. It can be applied in a single coat on smooth substrates - ideal for time-demanding projects

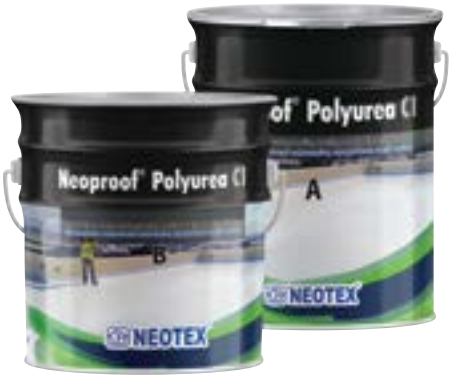
Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where extremely high resistance to ponding water is required
- Metallic surfaces
- Directly over new or old liquid waterproofing membranes
- Bitumen membranes
- As a topcoat over hot spray-applied aromatic polyurea
- Protection of PU foam insulation

Properties - Advantages

- Applied in a single coat, when the substrate is flat and smooth
- UV stable and walkable
- Impeccable water uptake resistance
- Very high mechanical properties
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Blister-free final surface
- Resistant to early rain in 2 hours after its application
- Also applicable with airless spraying equipment
- Crack-bridging properties
- Long pot life
- Ultra-long service life secured

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	13:7
Elongation at break (ASTM D412)	410%
Tensile strength at break (ASTM D412)	9,8MPa
Adhesion strength (ASTM D4541)	>3N/mm^2
Hardness Shore A (ASTM D2240)	76
Hardness Shore D (ASTM D2240)	25
Service temperature	-35°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	85% max
Ambient temperature	+5°C min. / +35°C max.
Pot life (+23°C)	90 minutes
Drying time (+23°C)	4 hours (tack-free)
Dry to recoat (+23°C)	18 hours
Early rain resistance	2 hours
Consumption	**0,65-0,75kg/m^2 in a single coat (cementitious surfaces)**



Appearance

Viscous liquid

Colours

RAL 9003

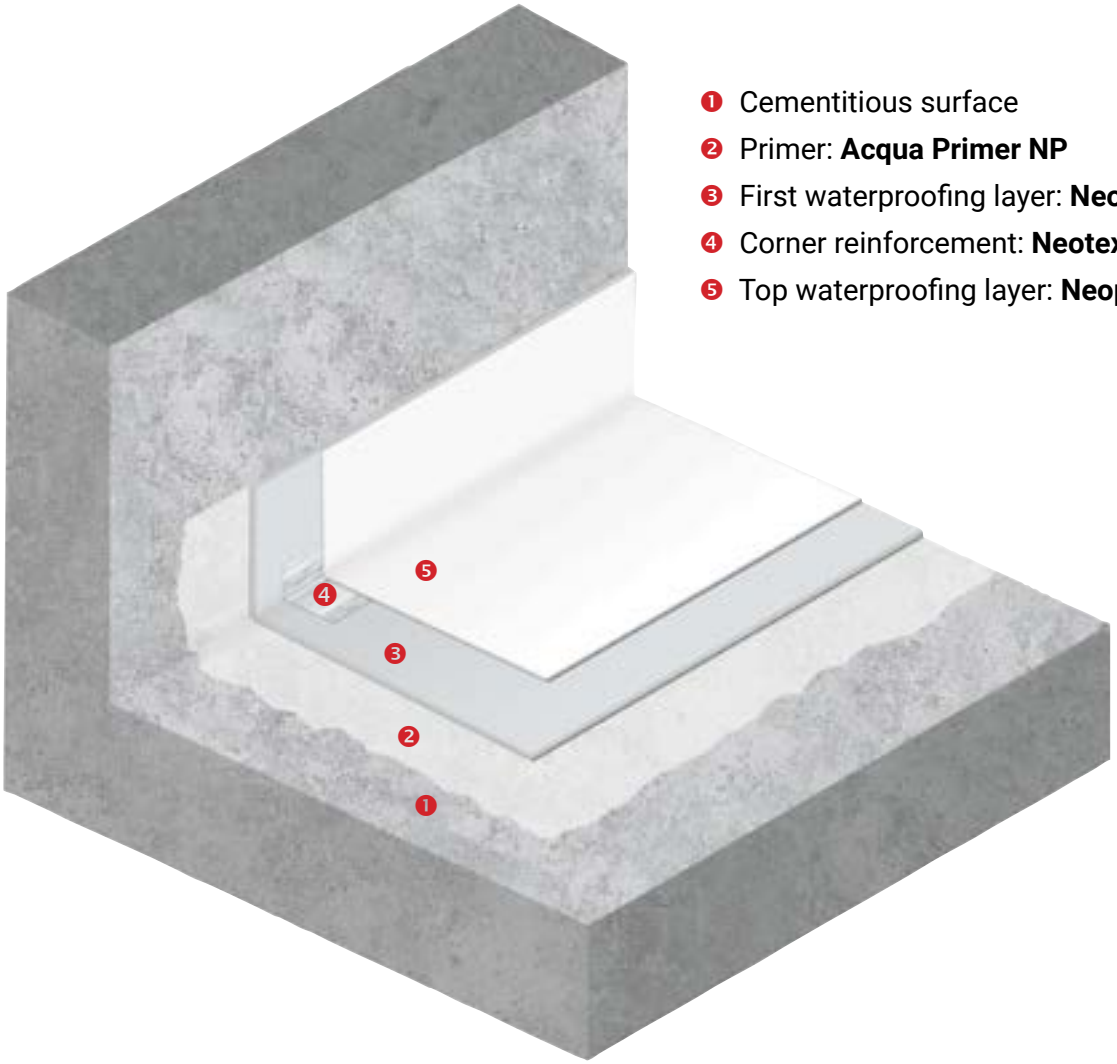
Also available in light grey, oxide red.
Other shades upon request

Packing

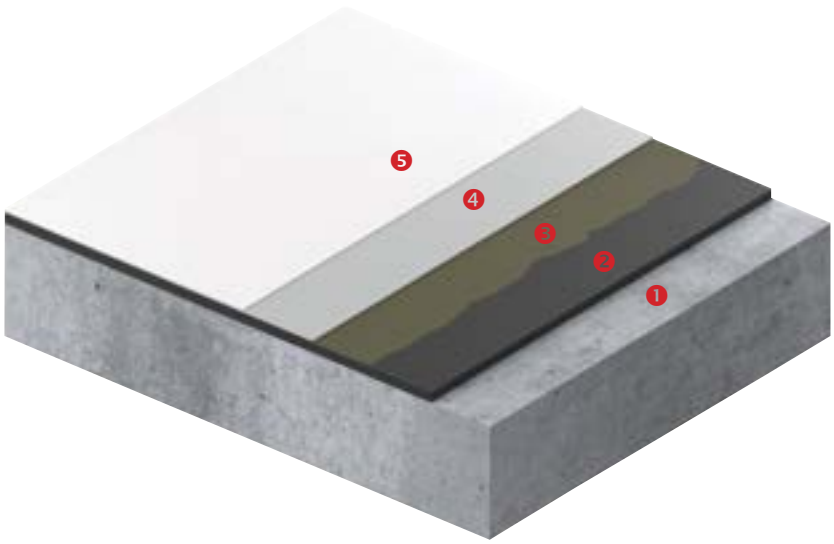
Sets (A+B) of 20kg and 5kg

Indicative Build-Up of Neoproof® Polyurea Systems

EXPOSED ROOF WATERPROOFING ON CEMENTITIOUS SUBSTRATE



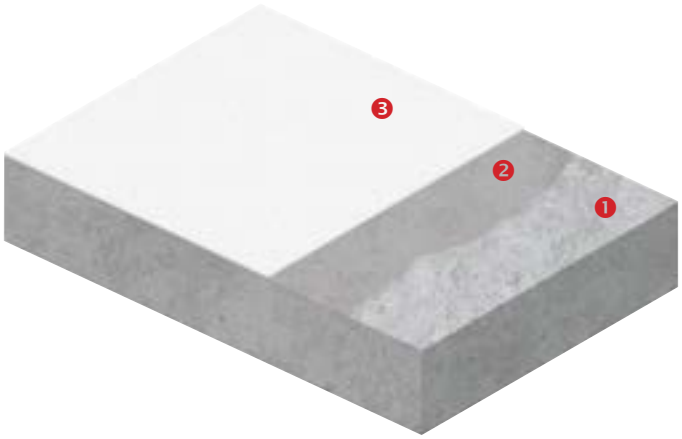
1. Cementitious surface
2. Primer: **Acqua Primer NP**
3. First waterproofing layer: **Neoproof® Polyurea R**
4. Corner reinforcement: **Neotextile® NP tape**
5. Top waterproofing layer: **Neoproof® Polyurea**



ROOF WATERPROOFING ON TOP OF BITUMEN MEMBRANE (WITH OR WITHOUT MINERAL SLATES)

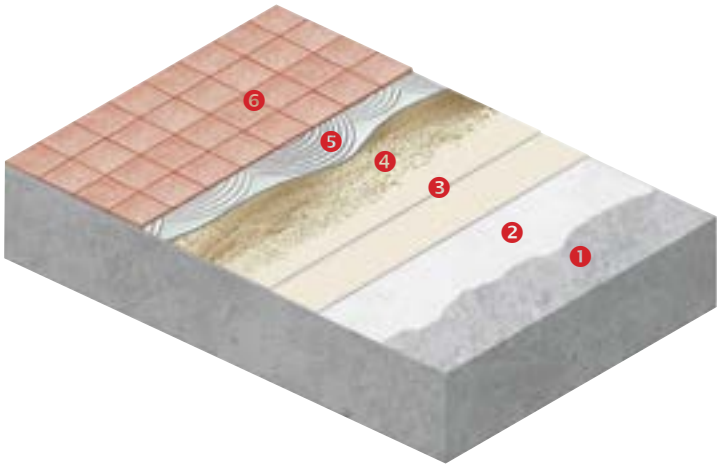
1. Cementitious surface
2. Smooth bitumen membrane
3. **Neopox® Primer BM**
4. **Neoproof® Polyurea R**
5. **Neoproof® Polyurea**

Indicative Build-Up of Neoproof® Polyurea Systems



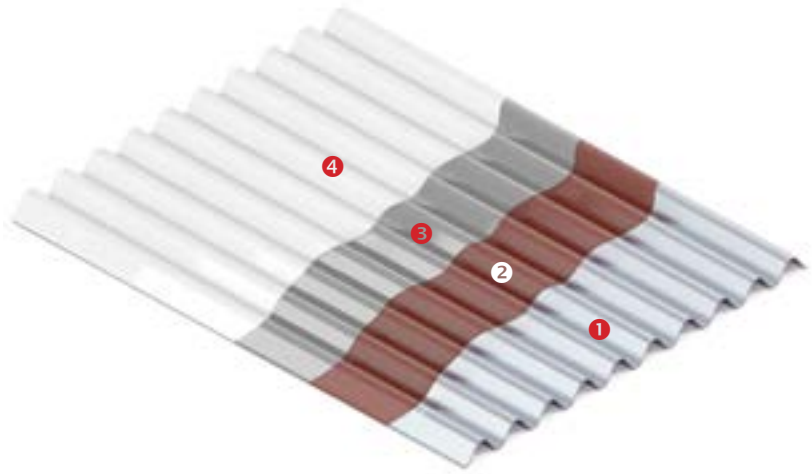
QUICK ROOF WATERPROOFING ON CEMENTITIOUS SUBSTRATE -APPLIED WITHIN ONE DAY-

1. Smooth cementitious surface
2. Fast-drying primer: **Neodur® Fast Track PR**
3. Waterproofing layer: **Neoproof® Polyurea C1** applied in a single coat



ROOF/TERRACE/BALCONY WATERPROOFING UNDER TILES

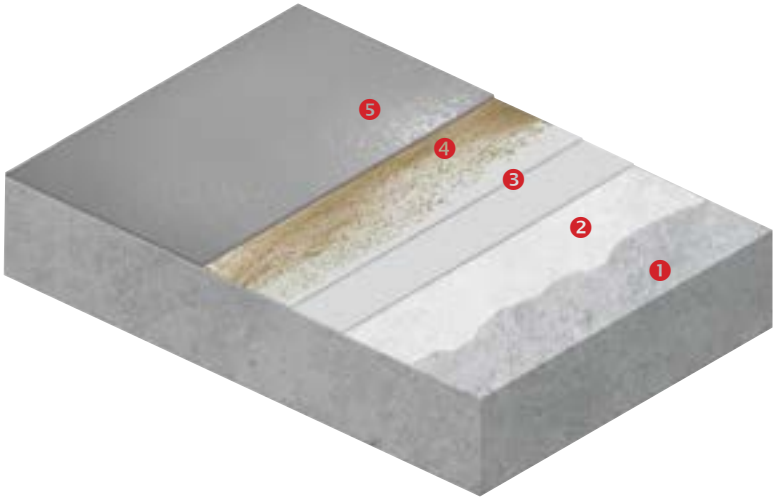
1. Cementitious surface
2. **Acqua Primer NP**
3. **Neoproof® Polyurea H**
4. Quartz sand (broadcast)
5. Elastic tile adhesive
6. Tiles



METAL ROOF WATERPROOFING

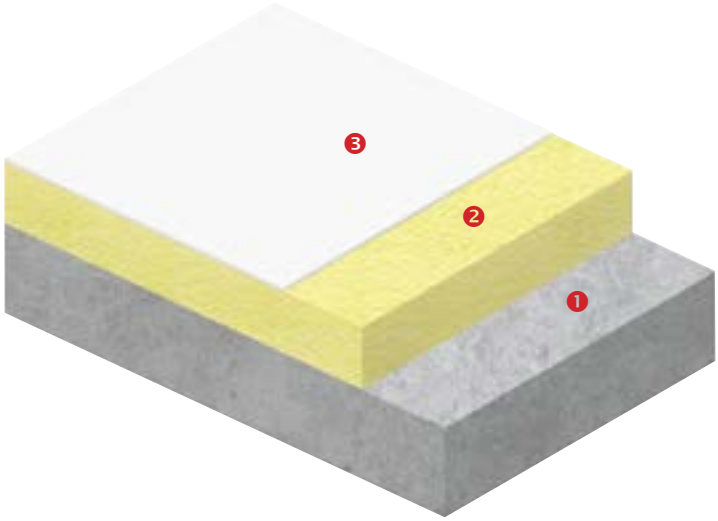
1. Corrugated metal sheet
2. **Neopox® Special Primer 1225**
3. **Neoproof® Polyurea R**
4. **Neoproof® Polyurea**

Indicative Build-Up of Neoproof® Polyurea Systems



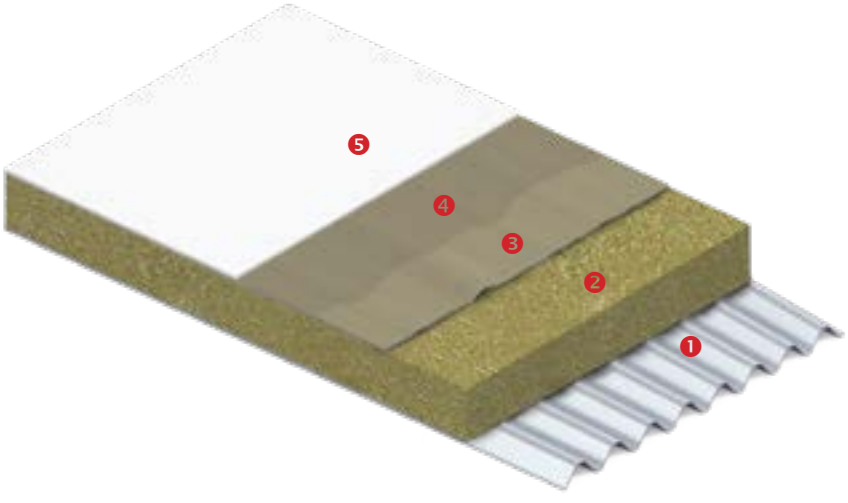
EXPOSED ROOF PARKING DECK WATERPROOFING

1. Cementitious surface
2. Primer: **Acqua Primer NP**
3. Base coat: **Neoproof® Polyurea R**
4. Quartz sand (broadcast)
5. Topcoat: **Neodur® FT Elastic**



ROOF WATERPROOFING ON TOP OF PU FOAM INSULATION

1. Cementitious surface
2. New PU foam insulation
3. **Neoproof® Polyurea C1**



ROOF WATERPROOFING ON TOP OF PVC MEMBRANE

1. Corrugated metal sheet
2. Mineral wool insulation
3. PVC membrane
4. **Neotex® 1021**
5. **Neoproof® Polyurea**

Waterproofing for roof parking decks & terraces with high traffic

Neodur® FT Elastic

Brushable fast-curing polyaspartic polyurea coating for waterproofing and flooring applications

- Elastic waterproofing of zero absorption, combined with high resistance to abrasion and to mechanical stress
- Unaffected by UV radiation and adverse weather conditions
- Resistant to early rainfall
- Fast-curing - Total hardening in 24 hours

CE

Neodur® FT Elastic

CE

Description

Fast-curing, brushable elastic polyaspartic polyurea coating, for waterproofing & flooring applications

Fields of application

- Roof parking decks
- Balconies & terraces with high traffic
- Tiled surfaces
- As a wear-resistant topcoat over **Neoproof® Polyurea** coatings
- As a topcoat over aromatic PU coatings

Properties - Advantages

- Combines mechanical durability with outstanding waterproofing properties
- Unaffected by UV radiation & adverse weather conditions
- Fast-drying & resistant to early rainfall
- High resistance to abrasion and mechanical stress
- Excellent chemical resistance (in dilute acids-alkalis, car oils, petroleum, etc.)

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	3:2,5
Gloss (60°)	85
Elongation at break (ASTM D412)	170%
Tensile strength at break (ASTM D412)	14MPa
Adhesion strength (EN 13892-8, concrete)	>3N/mm^2
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	75mg
Impact resistance (EN ISO 6272)	IR4
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	35 (PTV scale)
Service temperature	-30° C min. / +80° C max
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max
Ambient temperature	+5°C min. / +35°C max.
Pot life (+25°C)	30 minutes
Dry to recoat – Walkability (+25°C)	4 hours
Full cure – Heavy traffic (+25°C)	24 hours
Consumption	**300gr/m^2 per layer (depending on substrate)**

Appearance (cured)

Glossy

Colours

RAL 9003 | RAL 7035 | RAL 7038 | RAL 3009

Tailor-made shades available, upon special arrangement

Packing

Sets (A+B) of 5,5kg

Neodur® FT Elastic: Test in real conditions

Waterproofing over tiles

Neodur® FT Clear

Transparent elastic aliphatic polyurea for the waterproofing of roofs and balconies with tiles

- Excellent UV stability
- Zero water absorption
- Very high mechanical strength
- Retains and enhances the aesthetic result of the tiles

CE

Neodur® FT Clear

CE

Description

Transparent, fast-drying, brushable elastic aliphatic polyurea varnish, for the waterproofing of roofs and balconies, which are covered with tiles

Properties - Advantages

- Highly resistant to UV radiation and yellowing
- Impeccable water uptake resistance (zero absorption)
- Very high resistance to abrasion and mechanical stress
- Blister-free final surface
- Fast-drying (dry to recoat in 5 hours)
- Retains and enhances the aesthetic result of the tiles

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	1:1
Gloss (60°)	>98
Elongation at break (ASTM D412)	200%
Tensile strength at break (ASTM D412)	22MPa
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	80mg
Hardness Shore D (ASTM 2240)	25
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	27 (PTV scale)
Service temperature	-35°C min. / +60°C max
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max
Ambient temperature	+5°C min. / +35°C max.
Pot life (+25°C)	30 minutes
Dry to recoat (+25°C)	5 hours
Consumption	**700gr/m² for two layers**

Appearance (cured)

Transparent

Packing

Sets (A+B) of 20kg, 8kg and 2kg

Neoproof® PU W

CE

Description

Water-based polyurethane elastomeric waterproofing coating for roofs, when mechanical durability and outstanding waterproofing properties are required. It forms an impermeable to moisture film, with resistance to UV and mechanical stress.

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where high resistance to ponding water is required
- Metallic surfaces
- On top of new or old liquid waterproofing membranes
- Over PU foam insulation for its protection
- On top of mineral bitumen membranes

Properties - Advantages

- High elongation and mechanical strength
- Excellent resistance to ponding water
- Certified cool roofing properties (for the white colour shade)
- Ideal waterproofing solution for walkable roofs
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -15°C to +80°C
- No signs of blisters or craters on the surface, during the curing phase
- Increased hardness and crack-bridging properties
- Also applicable under cloudy weather conditions
- Eco-friendly & user-friendly (water-based, one-component)
- Long service life secured

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	480%
Tensile strength at max. load (ASTM D412)	2,28MPa
Adhesion strength (EN 1542)	>2,5N/mm²
Hardness Shore A (ASTM D2240)	68
Service temperature	-15°C min. / +80°C max.
Total Reflectance (SR%) (ASTM E903-12 / ASTM G159-98)	84%
Solar Reflectance Index (SRI) (ASTM E1980-01)	106
Total Emittance (ASTM C1371-04a)	0,89
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max.
Ambient temperature	+10°C min. / +40°C max.
Substrate temperature	+10°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	24 hours (low temperatures and high humidity prolong drying)
Consumption	**1-1,2kg/m² for two layers (cementitious surface)**

CERTIFIED COOL MATERIAL

Appearance

Viscous liquid

Colours

RAL 9003

Also available in light grey, oxide red.
Other shades upon request

Packing

13kg and 4kg in plastic pails

Also available:
Neoproof® PU Fiber

Fiber-reinforced, water-based polyurethane elastomeric waterproofing coating, with exceptional crack-bridging properties

Hyundai Facilities, Ninh Binh, Vietnam

Indicative applications of **Neoproof® PU W**

Neoproof® PU W -40

CE

Description

Water-based polyurethane elastomeric waterproofing coating for roofs, when mechanical durability and outstanding waterproofing properties are required. It forms an impermeable to moisture film, with resistance to UV, mechanical stress and extremely low temperatures down to -40°C

Fields of application

- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where high resistance to ponding water is required
- Metallic surfaces
- On top of new or old liquid waterproofing membranes
- Over PU foam insulation for its protection
- On top of mineral bitumen membranes

Properties - Advantages

- Ideal for demands of elasticity at extremely low temperatures down to -40°C
- High elongation and mechanical strength
- Excellent resistance to ponding water
- Ideal waterproofing solution for walkable roofs
- Long-lasting resistance to UV radiation & adverse weather conditions
- No signs of blisters or craters on the surface, during the curing phase
- Increased hardness and crack-bridging properties
- Also applicable under cloudy weather conditions
- Eco-friendly & user-friendly (water-based, one-component)
- Long service life secured

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	250%
Tensile strength at break (ASTM D412)	3MPa
Adhesion strength (EN 1542)	>2N/mm²
Hardness Shore A (ASTM D2240)	52
Service temperature	-40°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max.
Ambient temperature	+10°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	24 hours (low temperatures and high humidity prolong drying)
Consumption	**1,2-1,3kg/m² for two layers (cementitious surface)** **1,5-1,6kg/m² for two layers (mineral bitumen membrane)**

Appearance

Viscous liquid

Colours

RAL 9003

Also available in light grey, oxide red.
Other shades upon request

Packing

13kg and 4kg in plastic pails

"Galeria Serenada" Shopping Center, Krakow, Poland

Indicative applications of **Neoproof® PU W -40**

PU Liquid Waterproofing

Neoproof® PU W

Water-based aliphatic polyurethane waterproofing coating for exposed roofs

- High elongation and mechanical strength
- Long-term resistance to UV radiation
- Excellent resistance to ponding water
- Long service life secured

CE

Certified by:
UNIVERSITY OF ATHENS

LOW TEMP -40°C

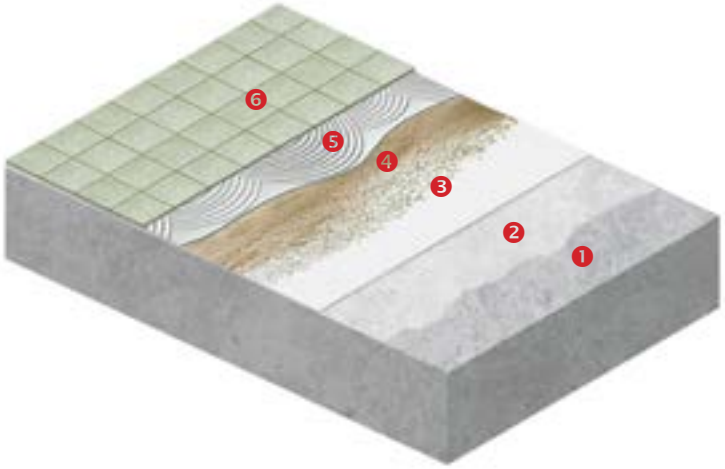
Version: **Neoproof® PU W -40**
Resistant down to -40°C, ideal for demands of elasticity at extremely low temperatures

Indicative Build-Up of Neoproof® PU W System

EXPOSED ROOF WATERPROOFING ON CEMENTITIOUS SUBSTRATE

1. Concrete slab
2. Cement screed for appropriate slopes (with **Revinex®** as an additive)
3. Primer: **Revinex®** diluted with water (mixing ratio 1:4)
4. First waterproofing layer: **Neoproof® PU W** (diluted 5% with water)
5. Top waterproofing layer: **Neoproof® PU W** (undiluted)

Indicative Build-Up of Neoproof® PU360 System



WET ROOMS / TERRACE / BALCONY WATERPROOFING UNDER TILES

1. Cementitious surface
2. **Revinex®** + water
3. **Neoproof® PU360**
4. Quartz sand (broadcast)
5. Elastic tile adhesive
6. Tiles

Neoproof® PU360

CE

Description

Water-based modified polyurethane elastomeric waterproofing coating, ideal for non-exposed applications on horizontal or vertical construction surfaces before plastering, tiling or laying of cementitious screeds and mortars

Fields of application

- Under tiles in wet rooms (bathrooms, kitchens, etc.), terraces and roofs
- On drywall panels before plastering, tiling etc.

Properties - Advantages

- Highly resistant to ponding water & alkalis of the cement
- Increased resistance to bending and stretching
- Excellent compatibility with subsequent cementitious layers (tile adhesives, cementitious screeds etc)
- High adhesion and crack-bridging properties
- Fast-drying
- Applicable on various construction surfaces (concrete, plaster, metal, wood, etc.)
- Eco-friendly (does not contain solvents or bitumen)
- User-friendly (one-component, water-based)

TECHNICAL CHARACTERISTICS	
Elongation at break (28 days, ASTM D412)	300%
Tensile strength at break (28 days, ASTM D412)	2,76MPa
Adhesion strength (EN 1542)	>2,5N/mm²
Hardness Shore A (ASTM D2240)	70
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max.
Ambient temperature	+8°C min. / +35°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	12 hours (low temperatures and high humidity prolong drying)
Consumption	**1-1,2 kg/m² for two layers (cementitious surfaces)**

Appearance

Viscous liquid

Colours

RAL 9003

Also available in other shades upon request

Packing

13kg and 4kg in plastic pails

Neodur® PB 1K

Description
One component, bitumen-modified polyurethane elastomeric coating, suitable for long-lasting waterproofing of non-exposed surfaces

Fields of application
- Non-exposed surfaces with requirement of resistance to ponding water
- Wet rooms (under tiles)
- Foundations, basements, terraces, balconies, planter boxes

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	850%
Hardness Shore A (ASTM D2240)	28
Service temperature	-40°C min. / +80°C max.
Consumption	**700-850gr/m² per layer (cementitious surfaces)**

Appearance
Viscous liquid

Colours
Black

Packing
23kg in metal cans

Neodur® PB 2K

Description
Two-component, brushable elastomeric system, based on polyurethane and bituminous resins, ideal for long-lasting waterproofing of non-exposed surfaces.

Fields of application
- Non-exposed surfaces with requirement of high resistance to ponding water
- Wet rooms (under tiles)
- Foundations, basements, planter boxes
- Roofs and terraces under thermal insulation panels
- Water tanks (non-potable water)

Properties - Advantages
- High elasticity & crack-bridging properties
- Excellent adhesion on a wide variety of substrates
- Exceptional resistance to ponding water & abrasion
- Fast-drying
- High chemical resistance
- Remains elastic in very cold temperatures down to -40°C

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	1:1
Elongation at break (ASTM D412)	800%
Tensile strength at break (ASTM D412)	3,5MPa
Hardness Shore A (ASTM D2240)	28
Service temperature	-40°C min. / +80°C max.
Consumption	**1-1,5L/m² for two layers (cementitious surfaces)**

Appearance
Viscous liquid

Colours
Black

Packing
Sets (A+B) of 38L

Neoroof® Nordic

CE

Description
Hybrid elastomeric waterproofing coating for roofs, in terracotta shade (UV-curable technology)

Fields of application
- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where increased resistance to ponding water is required
- On top of mineral bitumen membranes and roof tiles
- Metallic surfaces

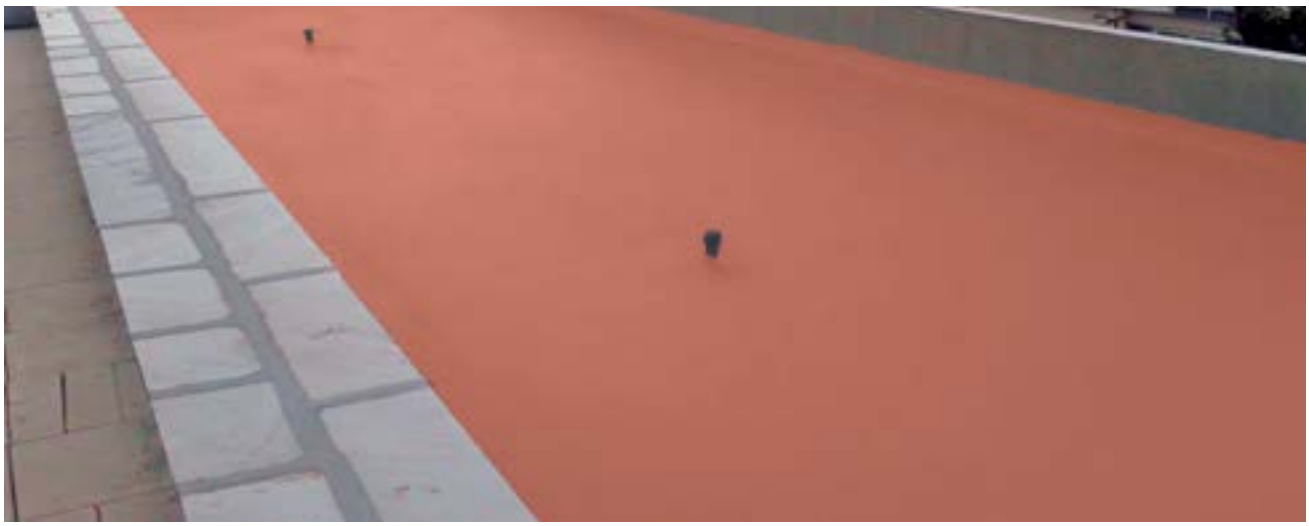
Properties - Advantages
- Easily applied, dries into a smooth elastic membrane that covers capillary cracks
- Excellent dirt pick-up resistance due to its UV-curable technology
- Does not get tacky even under extremely high temperatures
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Eco-friendly & user-friendly (water-based, one-component)

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	300%
Adhesion strength (EN 1542)	>1,5N/mm^2
Hardness Shore A (ASTM D2240)	44
Service temperature	-35°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<6%
Relative air humidity	80% max.
Ambient temperature	+12°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	24 hours (low temperatures and high humidity prolong drying)
Consumption	**700gr/m^2 for two layers (cementitious surface)**

Appearance
Viscous liquid

Colours
Nordic

Packing
13kg and 4kg in plastic pails



Neoroof® BM

Description
Hybrid elastomeric waterproofing coating for applications over old or new bitumen membranes

Fields of application
- Roofs, on top of old or new bitumen membranes
- Roofs made of concrete, cement tiles, cementitious screeds
- Metallic surfaces

Properties - Advantages
- Delays the ageing of the bitumen membrane
- Prevents the migration of the asphalt
- May be applied directly over mineral bitumen membranes
- Exhibits early rain resistance – not affected by rainfall 12 hours after its application (+25°C)
- Reflects the solar radiation and significantly reduces the surface temperature of the roof
- Eco-friendly & user-friendly (water-based, one-component)

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	300%
Tensile strength at break (ASTM D412)	3,2MPa
Hardness Shore A (ASTM D2240)	60
Service temperature	-5°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<6%
Relative air humidity	80% max.
Ambient temperature	+8°C min. / +40°C max.
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	12 hours (low temperatures and high humidity prolong drying)
Consumption	**1,3-1,5kg/m² for two layers (mineral bitumen membrane)** **0,9-1,1kg/m² for two layers (cementitious surface)**

Appearance
Viscous liquid

Colours
RAL 9003

Packing
13kg in plastic pails

Revinex® Roof

CE

Description
Silane-modified, acrylic elastomeric waterproofing coating for roofs, with exceptional water uptake resistance

Fields of application
- Roofs made of concrete, cement tiles, cementitious screeds
- Mineral bitumen membranes
- Metallic surfaces
- Air conditioning tubes

Properties – Advantages
- Excellent adhesion onto the substrate *(silane-modified)*
- High resistance to ponding water
- Resilient under adverse conditions (e.g. seaside, industrial areas)
- Unaffected by UV radiation
- Combines high elongation with excellent mechanical properties
- Compatible with older liquid waterproofing systems
- Retains its elasticity for prolonged periods of time
- Eco-friendly & user-friendly (water-based, one-component)

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	380%
Tensile strength at max. load (ASTM D412)	3,05MPa
Adhesion strength (ASTM D4541)	>3N/mm²
Hardness Shore A (ASTM D2240)	65
Service temperature	-5°C min. / +80°C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max.
Ambient temperature	+8°C min. / +35°C
Drying time (+25°C)	2 - 3 hours initially
Dry to recoat (+25°C)	12 hours (low temperatures and high humidity prolong drying)
Consumption	**1kg/m² for 2 layers (cementitious surfaces)**

Appearance
Viscous liquid

Colours
RAL 9003

Also available in other shades upon request

Packing
12kg, 5kg and 1kg in plastic pails

Silatex® Super

Description
Acrylic elastomeric waterproofing coating for roofs

Fields of application
- Roofs made of concrete, cement tiles, cementitious screeds
- On top of old mineral bitumen membranes or bitumen shingles
- Metallic surfaces
- Roof tiles and ridges
- Air-conditioning tubes

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	370%
Tensile strength at max. load (ASTM D412)	2,24MPa
Adhesion strength (EN 1542)	>2N/mm^2
Hardness Shore A (ASTM D2240)	60
Service temperature	-5°C min. / +80°C max.
Consumption	**1kg/m^2 for two layers (cementitious surface)**

Appearance
Viscous liquid

Colours
RAL 9003

Also available in other shades upon request

Packing
12kg, 5kg and 1kg in plastic pails

Versions:
Silatex® Nordic in terracotta shade
Silatex® Super Pro with high elongation and hardness

Revinex® Elastic

CE

Description
Elastomeric, silane-modified waterproofing coating for vertical exterior surfaces

Fields of application
External walls and facades of new or existing buildings, on substrates such as concrete, plaster, bricks, cement boards, asbestos cement

Properties - Advantages
- Excellent adhesion onto the substrate *(silane-modified)*
- Provides a tack-free, mat surface, even at very high temperatures
- Resistant at temperatures down to -35°C
- Maintains its elasticity, offering long-term waterproofing
- Covers capillary cracks and completely protects from moisture
- Vapour permeable, allows the walls to "breathe"
- Withstands salts, suitable also for seaside areas
- Eco-friendly & user-friendly (water-based, one-component)

TECHNICAL CHARACTERISTICS	
Adhesion strength (EN 1542)	>2,5N/mm²
Service temperature	-35° C min. / +80° C max.
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<6%
Relative air humidity	70% max.
Ambient temperature	+5°C min. / +40°C max.
Drying time (+25°C)	3 hours (tack-free)
Dry to recoat (+25°C)	24 hours
Consumption	**200ml/m² for two layers**

Appearance
Viscous liquid

Colours
RAL 9003

Also available in TR, D bases offering versatility for the creation of the requested shade

Packing
10L, 3L and 1L in plastic pails

Neoproof® 360W

CE

Description
Water-based elastomeric waterproofing rubber coating, for non-exposed surfaces

Fields of application
- Horizontal or vertical building surfaces prior to plastering or the application of ceramic tiles, roof tiles etc.
- Roofs and terraces under thermal insulation panels
- Ideal for waterproofing in planter boxes

Properties - Advantages
- Forms an impermeable to moisture membrane, with high mechanical properties
- Excellent adhesion strength on numerous building surfaces
- Increased chemical resistance – Highly resistant to alkali
- Exhibits high flexural and tensile strength
- Fast-drying and easy to apply
- Offers protection against underground radon

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	270%
Tensile strength at break (ASTM D412)	3,5MPa
Adhesion strength (EN 1542)	>2,5N/mm^2
Hardness Shore A (ASTM D2240)	55
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Relative air humidity	80% max.
Ambient temperature	+8°C min. / +35°C max.
Drying time (+25°C)	1-2 hours initially
Dry to recoat (+25°C)	24 hours
Consumption	**1kg/m^2 for two layers (cementitious surfaces)**

Appearance
Viscous liquid

Colours
RAL 1015

Packing
12kg, 5kg and 1kg in plastic pails

Nano-impregnation Compounds

Silimper® Nano

CE

Description
Silane-siloxane water-based nano-molecular impregnation compound, with high penetrating ability and hydrophobic performance, ideal for applications on exterior and interior construction surfaces as a water-repellent

Fields of application
Vertical (or inclined) mineral porous surfaces, such as concrete, plasters and renderings, asbestos cement, brick, roof tiles, stone with continuous surface (i.e. without cracks)

Properties - Advantages
- Exhibits high penetration due to its nano-molecular structure, minimizing the water uptake
- Does not form a skin on the surface and does not alter its appearance
- Prevents rain from impregnating the surface & protects it from cracking due to frost
- Displays early repellence towards water, reacting chemically and bonding with the substrate
- Facilitates the cleaning of the surface by limiting dirt pick-up & fungal growth
- Vapour permeable, allows the structure to "breathe"
- Presents high resistance to alkali and prevents efflorescence

TECHNICAL CHARACTERISTICS	
pH (ISO 1148)	7,5 – 8,5
Water penetration value (concrete surface) (RILEM Test Method 11.4)	0 ml/min
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<5%
Ambient temperature	+5°C min. / +35°C max.
Substrate temperature	+5°C min. / +35°C max.
Drying time (+25°C)	1-2 hours
Dry to recoat (+25°C)	<2 hours
Consumption	**100-200ml/m² per layer (depending on the application method and the absorptivity of the substrate)**

Appearance (cured)
Transparent

Packing
20L and 3L in plastic pails
1L in plastic bottles

Silimper® Nano LM

Description
Water & oil repellent, water-based fluorinated nano-molecular impregnation compound, that exhibits high penetrating ability and hydrophobic performance, suitable for exterior and interior building surfaces

Fields of application
Vertical or inclined mineral porous substrates, such as concrete, plasters and renderings, asbestos cement, bricks, roof tiles, natural stones, limestones, sandstones with continuous surface (i.e. without cracks), porous marbles

Properties - Advantages
- Very high penetration and deep waterproofing, reducing the water uptake
- Maintains the initial appearance of the substrate unchanged
- Prevents rain from impregnating into the surface and protects the substrate from cracking due to frost
- Displays early repellence towards water, providing durable hydrophobicity and oleophobicity
- Reduces dirt pick-up and limits fungal growth
- Presents high resistance to alkali and prevents efflorescence
- Solvent-free, VOC-free and PFOA-free (does not contain toxic substances)

TECHNICAL CHARACTERISTICS	
pH (ISO 1148)	7,5 – 8,5
Water penetration value (concrete surface) (RILEM Test Method 11.4)	0 ml/min
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<4%
Ambient temperature	+5°C min. / +35°C max.
Substrate temperature	+5°C min. / +35°C max.
Drying time (+25°C)	2 hours
Dry to recoat (+25°C)	<2 hours
Consumption	**100-200ml/m² per layer (depending on the application method and the absorptivity of the substrate)**

Appearance (cured)
Transparent

Packing
20L and 3L in plastic pails
1L in plastic bottles

WATERPROOFING

Revinex® Flex System

CE

Description
Multi-purpose cementitious waterproofing system

Fields of application
The combination of the **standard** cementitious (A) component, with water or with one of the 3 specialized liquid (B) components, creates **4 different systems** depending on the required properties of each application:

1. One-component system **Revinex® Flex** + water: Easy to apply & economical. Ideal waterproofing solution for basements, walls, shafts, exterior walls to be backfilled etc.
2. Two-component system **Revinex® Flex** + **Revinex® Flex FP**: When high resistance to positive and negative water pressure is required. Ideal waterproofing solution for basements, water tanks, etc.
3. Two-component system **Revinex® Flex** + **Revinex® Flex U360**: Flexible waterproofing system for terraces, balconies, swimming pools, wet areas (bathrooms, kitchens, etc.), before applying ceramic tiles
4. Two-component system **Revinex® Flex** + **Revinex® Flex ES**: Highly elastic & UV stable. Ideal for demanding applications on terraces & balconies under tiles, as well as on exposed surfaces such as flat roofs, exterior walls etc.

Properties - Advantages
- Excellent adhesion on most construction surfaces
- Crack-bridging properties, water vapour permeable
- Integrated and adaptable waterproofing system to cover all needs, based on each project's specific requirements
- Highly durable

Colours
Grey, White

Packing
Revinex® Flex
25kg and 5kg (5kg: grey only), bags (A component)
Revinex® Flex FP
7kg, plastic cans (B component)
Revinex® Flex U360
10kg, plastic cans (B component)
Revinex® Flex ES
12kg and 2,4kg, plastic cans (B component)

TECHNICAL CHARACTERISTICS		
Revinex® Flex + Water	Compressive strength (EN 1015-11)	15,8MPa
	Flexural strength (EN 1015-11)	5,9MPa
Revinex® Flex + Revinex® Flex FP	Compressive strength (EN 1015-11)	21,9MPa
	Hydrostatic pressure resistance (DIN 1048-5 / EN 12390-8)	7 bar
Revinex® Flex + Revinex® Flex U360	Compressive strength (EN 1015-11)	20,2MPa
	Elongation at break (EN ISO 527-1 / EN ISO 527-2)	25%
Revinex® Flex + Revinex® Flex ES	Compressive strength (EN 1015-11)	20,3MPa
	Elongation at break (EN ISO 527-1 / EN ISO 527-2)	56%
Consumption	**2-2,5 kg/m² for two layers (cementitious surface)**	

APPLICATION CONDITIONS - CURING DETAILS	
Ambient temperature	+5°C min. / +35°C max.
Pot life (+20°C)	30 minutes
Drying time (per layer, +20°C)	8-10 hours

Platinum Tower, Beirut, Lebanon

Indicative applications of **Revinex® Flex System**

Cementitious Waterproofing

Wet rooms - Basements - Water Tanks - Terraces - Pools

Revinex® Flex System

Multi-purpose, cementitious waterproofing system

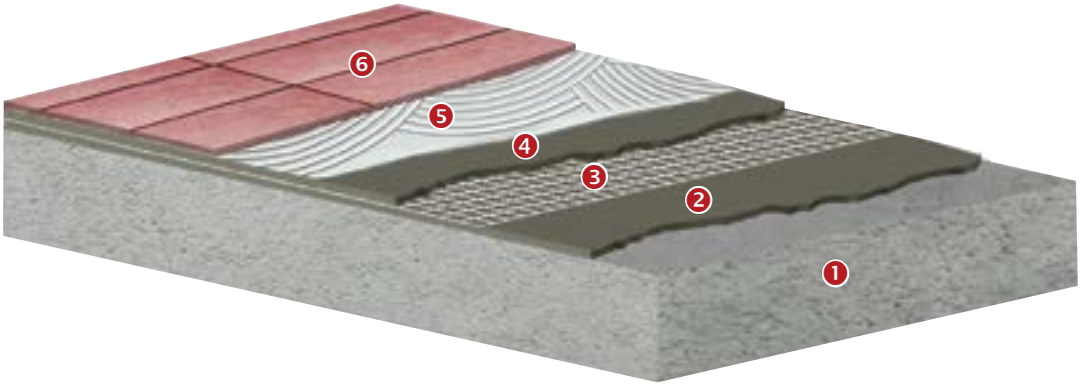
1 Powder → 4 Systems

CE

One cementitious powder creates four different systems, to cover all waterproofing needs

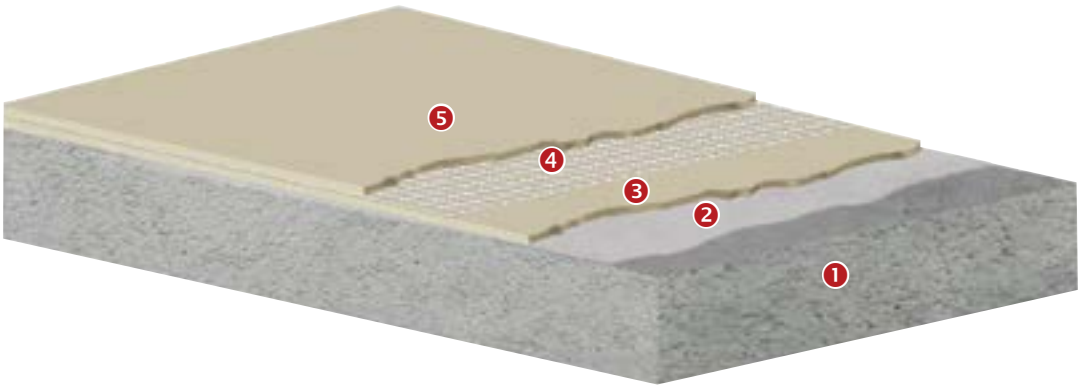
NEOTEX®

Indicative Build-Up of Revinex® Flex System



WET ROOMS / TERRACE / BALCONY WATERPROOFING UNDER TILES

1. Cementitious surface (saturated surface-dry condition)
2. Cementitious waterproofing: **Revinex® Flex U360** (A+B)
3. Fiberglass reinforcement: **Gavazzi® 0059-A**
4. Cementitious waterproofing: **Revinex® Flex U360** (A+B)
5. Elastic tile adhesive
6. Ceramic tiles



EXPOSED ROOF WATERPROOFING ON CEMENTITIOUS SUBSTRATE

1. Cementitious surface
2. Primer: **Revinex®** + water
3. Cementitious waterproofing: **Revinex® Flex ES** (A+B)
4. Fiberglass reinforcement: **Gavazzi® 0059-A**
5. Cementitious waterproofing: **Revinex® Flex ES** (A+B)

Revinex® Flex 2006

CE

Description
Two-component flexible cementitious waterproofing system

Fields of application
- Surfaces under tiles in swimming pools, balconies, flat roofs, wet rooms
- Shafts, water tanks, planter boxes, silos
- Underground surfaces of buildings
- Tunnels and motorway bridges

Properties - Advantages
- Highly flexible in order to tolerate fine cracks
- Excellent adhesion on numerous types of substrate
- Protects concrete against carbonation and water penetration
- Protects from underground radon and chloride migration
- Resistant to positive and negative hydrostatic pressure
- Prevents corrosion of steel reinforcement
- Water vapour permeable

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	24:10
Elongation at break (28 days, DIN 53504)	16,8%
Compressive strength (EN 1015-11)	14MPa
Flexural strength (EN 1015-11)	4,1MPa
Tensile strength (28 days, reinforced, DIN 53504)	9,61MPa
APPLICATION CONDITIONS - CURING DETAILS	
Ambient temperature	+5°C min. / +35°C max.
Pot life (+20°C)	30 minutes
Drying time (per layer, +20°C)	8 - 10 hours
Consumption	**2-2,5kg/m² for two layers**

Colour
Grey

Packing
Sets (A+B) of 34kg and 17kg

Neopress® Crystal

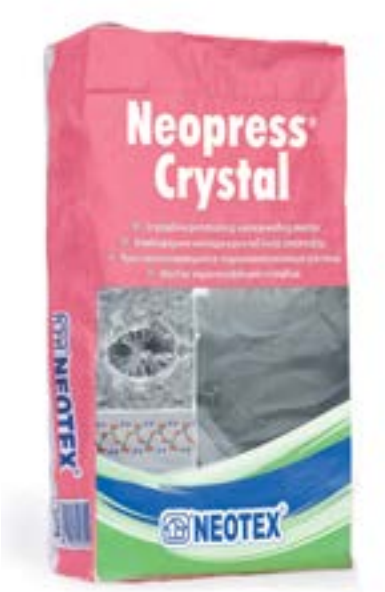
CE

Description
Crystalline penetrating, brushable waterproofing mortar

Fields of application
- Water tanks, wells, silos
- Underground rooms and basements
- Tunnels, walls, as well as surfaces to be covered with tiles

Properties - Advantages
- Penetrates and reacts with moisture, generating insoluble crystals which fill the pores of the surface
- Exhibits high resistance to positive and negative hydrostatic pressure
- Bridges cracks and cavities
- Remains reactive, in case of moisture presence at a later time
- Seals capillary cracks of width up to 0,4mm

TECHNICAL CHARACTERISTICS	
Compressive strength (EN 12190, polyamide wheels)	>35MPa
Adhesion strength (EN 1542)	>1,5N/mm²
Capillary absorption (EN 13057)	<0,1kg/m² $h^{0,5}$
Crack bridging (EN 1062-7)	Class A3 (>0,5mm)
APPLICATION CONDITIONS - CURING DETAILS	
Ambient temperature	+5°C min. / +35°C max.
Drying time (per layer, +23°C)	4-6 hours
Consumption	**a) 1,6-1,7kg/m² on vertical cementitious surfaces, for two layers** **b) 2,2-2,4kg/m² on horizontal cementitious surfaces, for two layers**



Colours
Grey

Packing
25kg in bags and plastic pails

Version: Neopress®
Crystalline brushable waterproofing mortar, available in plastic pails of 25kg

Note: The addition of **Revinex®** in a ratio up to 20% creates the two-component waterproofing systems **Neopress® Crystal-Revinex®** and **Neopress®-Revinex®** with increased flexibility and adhesion properties

Primers, Adhesion Promoters and Admixtures

Acqua Primer NP

Description
Water-based epoxy primer, ideal prior to the application of **Neoproof® Polyurea** waterproofing systems on cementitious substrates

Properties - Advantages
- Excellent adhesion on concrete
- Creates a chemical bond with **Neoproof® Polyurea**, contributing to the long lasting durability of the system

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:40
Adhesion strength (ASTM D4541)	≥3N/mm²
APPLICATION CONDITIONS - CURING DETAILS	
Substrate moisture content	<6%
Ambient temperature	+12°C min. / +35°C max.
Pot life (+25°C)	1 hour
Drying time (+25°C)	7 hours
Dry to recoat (+25°C)	24 hours
Consumption	**120-160gr/m² per layer (depending on substrate absorptivity)**

Colour
Light grey

Packing
Sets (A+B) of 14kg and 7kg

Appropriate primers for Neoproof® Polyurea systems			
Substrate	**Primer**	**Description**	**Details**
Concrete, cement screed	**Acqua Primer NP**	Water-based epoxy primer	Application temperature +12°C min. / +35°C max.
	Epoxol® Primer	Solvent-based epoxy primer	Application temperature +5°C min. / +35°C max.
	Neodur® Fast Track PR	Fast-drying solvent-based hybrid (PU-polyurea) primer	Application of the 1st layer of the **Neoproof® Polyurea** system on the same day
	Neopox® Primer WS	Solvent-free epoxy primer for wet surfaces	In case of substrate with high moisture content (without rising moisture)
Bitumen membranes	**Neopox® Primer BM**	Epoxy primer for bitumen membranes	Suitable for bitumen membranes with or without mineral slates
Metal	**Neopox® Special Primer 1225**	Solvent-based anti-corrosive epoxy primers	Excellent adhesion on metal surfaces & anti-corrosive protection
	Neopox® Primer 815		
Inox, Galvanized steel, Aluminium	**Neotex® Inox Primer**	One-component, water-based primer	High adhesion strength on glossy non-porous substrates
PVC membrane	-	-	Direct application after treating the surface with solvent **Neotex® 1021**
PU foam insulation (new)	-	-	Direct application without primer

Neopox® Primer BM

Description
Epoxy primer, ideal for applications on top of bitumen membranes

Properties - Advantages
- Excellent adhesion on bitumen membranes with or without mineral slates
- Exhibits flexibility and impermeability to moisture
- Prevents the migration of asphalt
- Offers an ideal bridge of adhesion to solvent-based liquid waterproofing systems, such as **Neoproof® Polyurea** systems
- May also be overcoated with water-based liquid waterproofing systems, after broadcasting quartz sand

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio A:B (by weight)	70:30
Dry to recoat (+25°C)	24 hours
Consumption	**70-80gr/m² on smooth bitumen membrane without mineral slates** **90-120gr/m² on mineral-surfaced bitumen membrane**

Packing
Sets (A+B) of 5kg

Neosil® Bond

Description
Solvent-based adhesion promoter for coating systems on inorganic surfaces, such as ceramic tiles and glass

Properties - Advantages
- Activates the inorganic surfaces for the excellent adhesion of subsequent coatings
- Easy to apply with a soft cloth
- Fast-drying

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	15-20 minutes (tack-free)
Waiting time for applying coating on top (+25°C)	2-24 hours
Consumption	**50ml/m² for one layer**

Packing
1L in metal cans

Silatex® Primer

Description

Acrylic solvent-based primer, for impregnating and stabilizing substrates prior to the application of elastomeric waterproofing coatings and paints

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	1-2 hours
Dry to recoat (+25°C)	3 hours
Consumption	**160-180ml/m² per layer**

Complementary Product: Neotex® 1111

Solvent for **Silatex® Primer**

Packing

5L in metal cans

Vinyfix® Primer

Description

Solvent-based primer based on vinyl resins, for impregnating and stabilizing substrates prior to the application of elastomeric waterproofing coatings and paints. It is also suitable for difficult-to-adhere substrates, such as aluminium, galvanized steel and polycarbonate panels

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	1-2 hours
Dry to recoat (+25°C)	12 hours
Consumption	**130-170gr/m² per layer**

Complementary Product: Neotex® 1080

Solvent for **Vinyfix® Primer**

Packing

5kg in metal cans

Neodur® Polyurea M

Description

Transparent aliphatic polyurea system

Fields of application

- Fast-curing primer (diluted with **Neotex® PU 0413**) prior to **Neodur® FT Clear** (if required)
- Priming of vertical surfaces, for polyurea based stone-carpet systems
- Fast repairing and smoothing (mixed with quartz) of floors and walls, prior to the application of polyurea, epoxy or PU coatings (**Neodur®**, **Epoxol®**, **Neopox®**)

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio A:B (by weight)	1:1
Pot life (+25°C)	10 minutes
Dry to recoat (+25°C)	2-3 hours (depending also on its use)

Packing

Sets (A+B) of 20kg and 2kg

Neotex® Inox Primer

Description
Water-based, one-component primer for inox, aluminium, galvanized surfaces

Properties - Advantages
- Compatible with water-based, solvent-based or solvent-free coatings
- No treatment required for the recoating
- One-component - easy to apply
- High adhesion strength on most glossy non-porous substrates
- Does not include any toxic ingredients or solvents
- Fast-drying

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	1 hour
Dry to recoat (+25°C)	10 hours
Consumption	**60-75ml/m² in one layer**

Appearance / Colour
Semi-transparent / Blue

Packing
3L and 1L in plastic pails

Neotex® Metal Primer

Description
Water-based, one-component anti-corrosive primer, for interior and exterior metal surfaces

Properties - Advantages
- Ideal for the anti-corrosive protection of metal surfaces, prior to the application of water-based waterproofing systems (e.g. **Neoproof® PU W, Neoroof®**, etc.)
- Very strong adhesion on metal
- Excellent protection against corrosion near the sea
- Abrasion resistance and durability against adverse weather conditions

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	2-3 hours
Dry to recoat (+25°C)	4-6 hours
Consumption	**80 – 100ml/m² per layer**

Colour
Terracotta

Packing
3L and 1L in plastic pails

Revinex®

Description

Multi-purpose co-polymeric emulsion, specially designed to enhance the properties of cement mortars

Fields of application

- As an admixture for the formation of impermeable cementitious coatings on walls, basements, tanks and roofs
- As an additive in adhesive mortars for fixing tiles on floors and roofs
- Repairing of damaged concrete structures
- Bonding new concrete layers to old
- Protection against corrosion of concrete reinforcements
- Reinforcement of cementitious waterproofing coatings (**Neopress® Crystal, Neopress®**)
- Priming before the application of cementitious waterproofing systems (**Revinex® Flex 2006, Revinex® Flex System**), elastomeric waterproofing coatings (**Neoroof®**, **Neoproof® PU W**, **Neoproof® PU W -40, Neoproof® PU360**, **Neoproof® 360W**, **Neoroof® BM**, **Silatex® Super, Silatex® Super Pro**, **Revinex® Roof, Revinex® Elastic, Silatex® Reflect**), thermal insulating coatings and acrylic paints (**Neotherm® AC**, **Proflex®**)

It grants to cementitious mortars:

- Excellent impermeability to water
- Increased adhesion to any substrate
- Enhanced abrasion resistance
- Resistance against contractions and expansions
- Increased flexural and tensile strength, durability against frost

TECHNICAL CHARACTERISTICS	
Solid content (ISO 1625)	47 ± 1%
pH (ISO 1148)	9-11
Viscosity (ISO 1652)	30 - 150mPa s

Packing

18kg, 5kg and 1kg in metal cans
& 200kg in drums

Novobond®

Description

Multi-purpose co-polymeric (SBR) emulsion

Fields of application

- Additive in cementitious screeds and mortars, preventing cracking and granting improved waterproofing, adhesion and mechanical properties
- Suitable for leveling mortars, grooves, joint-fillings and tile adhesives

Packing

20kg and 5kg in plastic pails
& 150kg in drums

WATERPROOFING

Reinforcements for Waterproofing Systems

Neotextile®

Description

Non-woven polyester reinforcement for the water-based elastomeric water-proofing coatings **Neoproof® PU W**, **Neoproof® PU W -40**, **Neoroof®**, **Neoroof® Nordic**, **Neoroof® BM**, **Revinex® Roof**, **Silatex® Super**, **Silatex® Super Pro**, etc.

TECHNICAL CHARACTERISTICS	
Thickness (EN 9863-1)	0,45mm
Tensile strength (EN ISO 10319)	1,0kN/m
Elongation at max. load (EN ISO 10319)	≥50%
Mass per unit area (EN ISO 9864)	50gr/m^2

Packing

Roll 300 x 1,08m, Roll 100 x 1,08m, Roll 50 x 1,08m, Roll 50m x 18cm, Tape 10m x 9cm, Tape 10m x 18cm

Neotextile® NP

Description

Non-woven polyester reinforcement, suitable for the reinforcement of **Neoproof® Polyurea** brushable waterproofing coatings

TECHNICAL CHARACTERISTICS	
Tensile strength (EN ISO 10319)	2,8kN/m
Elongation at max. load (EN ISO 10319)	≥45%
Static puncture resistance CBR (EN ISO 12236)	480N
Cone drop test (EN ISO 13433)	48mm
Characteristic opening size (EN ISO 12956)	110μm
Mass per unit area (EN ISO 9864)	100gr/m^2

Packing

Roll 100 x 0,98m, Tape 10m x 14cm

N-Thermon® Mesh 90gr

Description

White alkali-resistant fiberglass mesh ideal for reinforcing the cementitious waterproofing systems **Revinex® Flex**, **Revinex® Flex + Revinex® Flex FP, Neopress®** and **Neopress® Crystal**.
Also used as part of the **N-Thermon® System** *(see page 103)*

TECHNICAL CHARACTERISTICS	
Mesh dimensions	4 x 5mm
Weight of finished mesh	90g/m² ± 5%
Resistance to tensile strength: warp average value	1450N/5cm
Resistance to tensile strength: weft average value	1550N/5cm

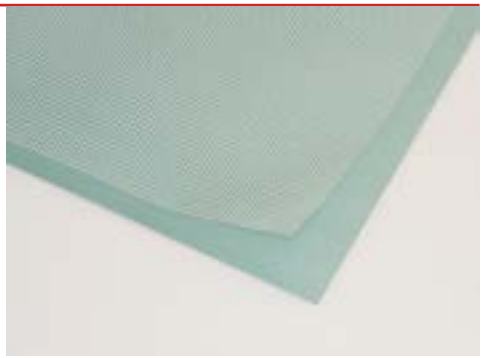
Packing
Roll 50 x 1m

Gavazzi® 0059-A

Description

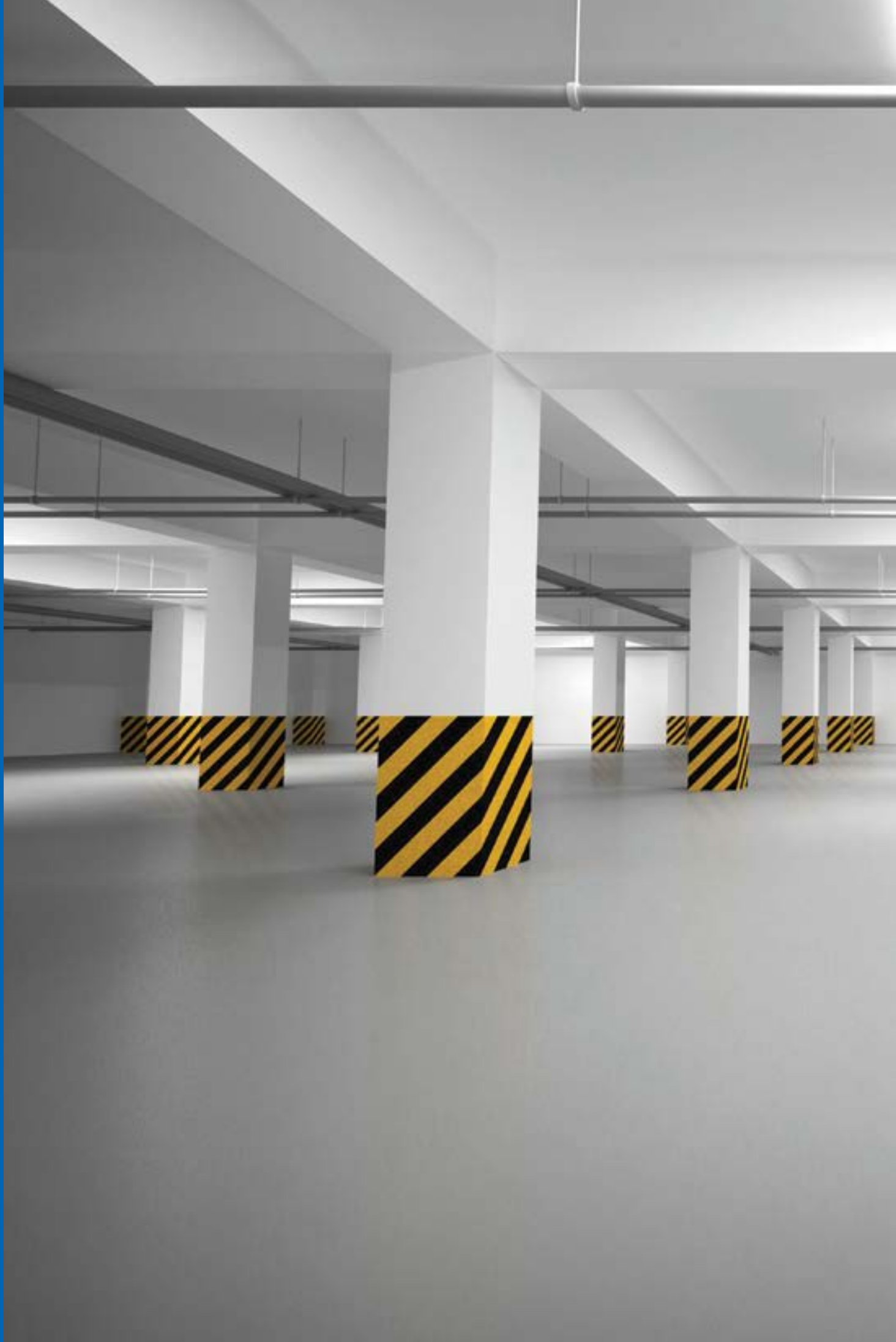
White alkali-resistant fiberglass mesh, ideal for reinforcing the flexible cementitious waterproofing systems **Revinex® Flex + Revinex® Flex U360, Revinex® Flex + Revinex® Flex ES** and **Revinex® Flex 2006**

TECHNICAL CHARACTERISTICS	
Mesh dimensions	2,7 x 2,7mm
Weight of finished mesh	61g/m² ± 5%
Resistance to tensile strength: warp average value	950N/5cm
Resistance to tensile strength: weft average value	1000N/5cm



Packing
Roll 50 x 1m

RESINOUS FLOORING



RESINOUS FLOORING

Neodur® Fast Track

CE

Description

Brushable, two-component fast-curing high-solid, solvent-based aliphatic polyurea coating for exterior & interior flooring applications

Fields of application

On floors which require very high mechanical and chemical resistance, e.g.:

- Outdoor and indoor floors of warehouses, parking & car service garages
- Outdoor laundries, gas stations, ramps, etc.

Properties - Advantages

- Minimal downtime: complete application within 8 hours (primer & two coats)
- Quick turnaround: fully exploitable within 24 hours
- Incomparable coverage: Just one coat after priming is sufficient in cases with smooth substrates
- Also applicable when low temperatures prevail (down to +5°C)
- Unaffected by sunlight and adverse weather conditions
- Excellent resistance to abrasion and mechanical stress
- High chemical resistance (to dilute acids-alkalis, car oils, petroleum, etc.)

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio A:B (by weight)	60:40
Gloss (60°)	92
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	62mg
Adhesion strength (EN 13892-8)	≥3N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	24 (PTV scale)
Dry to recoat - Walkability (+25°C)	2 hours
Full cure - Heavy traffic (+25°C)	24 hours
Consumption	**200gr/m² per layer**

Appearance (cured)

Glossy

Colours

RAL 9003 | RAL 1013 | RAL 7035

RAL 3009 | RAL 7038 | RAL 1018

Tailor-made shades available, upon special arrangement

Packing

Sets (A+B) of 5kg

Car repairing workshop, Romania

Indicative applications of **Neodur® Fast Track**

Brushable Polyurea for flooring applications

Neodur® Fast Track

Fast-curing brushable polyurea flooring system

- ✓ Minimum downtime: complete application within 8 hours
- ✓ Quick turnaround: fully exploitable within 24 hours
- ✓ UV stable, suitable for interior and exterior concrete floors
- ✓ Exceptionally high mechanical and chemical resistance

CE

Neodur® Fast Track PR

Description

Brushable, two-component, fast-drying solvent-based hybrid (polyurea - polyurethane) primer

Fields of application

- Floors and walls which will be covered with the fast-curing aliphatic polyurea coating **Neodur® Fast Track**, enabling the full installation of the flooring system in one day
- Floors and walls which will be covered with epoxy or PU coatings and systems (**Epoxol®, Neopox®, Neodur®**), enabling the application of both the primer and the first layer of the coating / system in one day
- Roofs which will be covered with **Neoproof® Polyurea** waterproofing systems, enabling the application of both the primer and the first layer of **Neoproof® Polyurea** in one day
- As an anti-dust sealer on old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS - CURING DETAILS	
Mixing ratio A:B (by weight)	80:20
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Substrate moisture content	<4%
Dry to recoat - Walkability (+25°C)	3 hours
Full cure - Heavy traffic (+25°C)	24 hours
Consumption	**120-150gr/m^2 per layer (depending on substrate absorptivity)**

Appearance

Transparent, yellowish

Packing

Sets (A+B) of 4kg

Neodur® Fast Track SF

CE

Description

Two-component, fast-curing solvent-free aliphatic polyurea coating, for interior & exterior flooring applications

Fields of application

In areas where solvent fumes are not wanted, e.g.:

- Indoor and outdoor floors of warehouses, parking & car service garages
- Laundries, gas stations, ramps, etc.
- Areas with poor ventilation

Properties - Advantages

- Minimal downtime: walkable and ready to recoat in 3 hours (+25°C)
- Quick turnaround: fully exploitable within 24 hours
- Unaffected by sunlight and adverse weather conditions
- Application under low temperatures (down to +5°C)
- Applicable in one layer (on smooth and properly prepared substrates)
- Excellent resistance to abrasion and mechanical stress
- High chemical resistance (dilute acids, alkalis, car oils, petroleum, etc.)

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio A:B (by weight)	2:1
Gloss (60°)	83
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	75mg
Adhesion strength (EN 13892-8)	≥3N/mm²
Impact resistance (EN ISO 6272)	IR4
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Dry to recoat - Walkability (+25°C)	3 hours
Full cure - Heavy traffic (+25°C)	24 hours
Consumption	**300gr/m² per layer (by roller) 600gr/m² in one layer (by squeegee or trowel)**

Appearance (cured)

Glossy

Colours

RAL 7035 RAL 7038

Tailor-made shades available, upon special arrangement

Packing

Sets (A+B) of 4,5kg

Neodur® Primer SF

Description
Fast-drying, solvent-free hybrid (polyurea - polyurethane) primer

Fields of application
- Floors before the application of the fast-curing aliphatic polyurea coating **Neodur® Fast Track SF**, enabling the full installation of the flooring system in one day
- Floors to be covered with epoxy or PU coatings
- Poorly ventilated areas, e.g. basement car parking areas

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS - CURING DETAILS	
Mixing ratio A:B (by weight)	95:5
Adhesion strength (EN 13892-8)	≥3N/mm²
Substrate moisture content	<4%
Dry to recoat - Walkability (+25°C)	3 hours
Full cure (+25°C)	24 hours
Consumption	**120-150gr/m² per layer (depending on substrate absorptivity)**

Appearance (cured)
Transparent, satin

Packing
Sets (A+B) of 4kg

Neodur® FT Putty

Description
Fast-curing, aliphatic polyaspartic polyurea putty *(see also page 108)*

Fields of application
- Fast-drying leveling, smoothing and repairing of floors, prior to the application of the fast-curing coatings **Neodur® Fast Track** and **Neodur® Fast Track SF**, enabling the full installation of the flooring systems in one day
- Due to its semi-transparent appearance and UV-stability, it can also be overcoated with transparent coatings, such as the elastic aliphatic polyurea varnish **Neodur® FT Clear**

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio A:B (by weight)	100:62
Pot life (+25°C)	10 minutes
Drying time (+25°C)	2 hours
Consumption	**1,1kg/m² per mm of thickness**

Appearance (cured)
Transparent - milky white

Packing
Sets (A+B) of 1kg

Also available: Neodur® Polyurea M *(see page 46)*
Transparent aliphatic polyurea system, for fast-drying leveling, smoothing and repairing of floors and walls (mixed with quartz)

Self-leveling Epoxy Floors

Epoxol® Floor S

CE

Description
Two-component solvent-free epoxy system, suitable for the creation of self-leveling floors

Fields of application
On floors which require high mechanical and chemical resistance, e.g. in:
- Factories and warehouses
- Laboratories
- Parking garages

Properties - Advantages
- High mechanical and chemical resistance
- Excellent resistance to abrasion and yellowing
- Complete coverage of concrete imperfections
- May also be applied as a high-build coating by roller
- Classified as SR-C40-F15-A6-B2,0-IR4 according to EN 13813

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:35
Gloss (60°)	99
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	60mg (mixed with Quartz Sand M-32)
Adhesion Strength (EN 13892-8)	≥2,5N/mm²
Hardness Shore D (ASTM 2240)	81
Impact resistance (EN ISO 6272)	IR4
Skid resistance (EN 13036-4, wet surface, with sprinkling of Quartz Sand M-32)	>25 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / +100°C max.
Consumption (per mm of thickness)	**0,80kg/m² Epoxol® Floor S + 0,80kg/m² Quartz Sand M-32**

Appearance (cured)
Glossy

Colours
RAL 9003 | RAL 1015 | RAL 7035 | RAL 7040 | RAL 3009

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 13,5kg

Complementary product: Quartz Sand M-32
Quartz sand (avg. grain size of 0,26mm) to be mixed with **Epoxol® Floor S** or **Epoxol® Floor** for the creation of self-leveling floors. **Quartz Sand M-32** may also be used for the creation of anti-slip **Epoxol®**, **Neopox®**, **Neodur®** or **Neocryl®** coatings

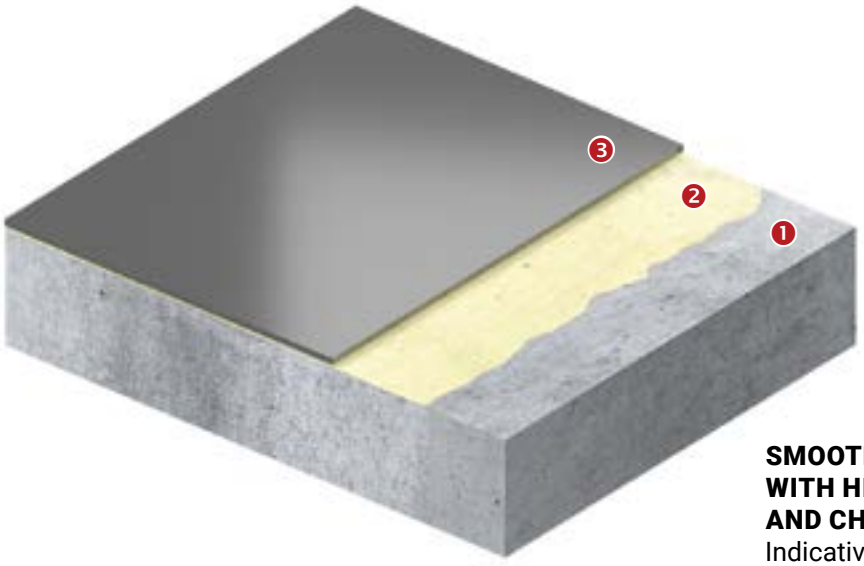
Versions:
Epoxol® Floor P
Two-component solvent-free epoxy system for the creation of self-leveling floors

Epoxol® Floor S Winter
For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Free Industrial Zone, Warehouse, Poti, Georgia

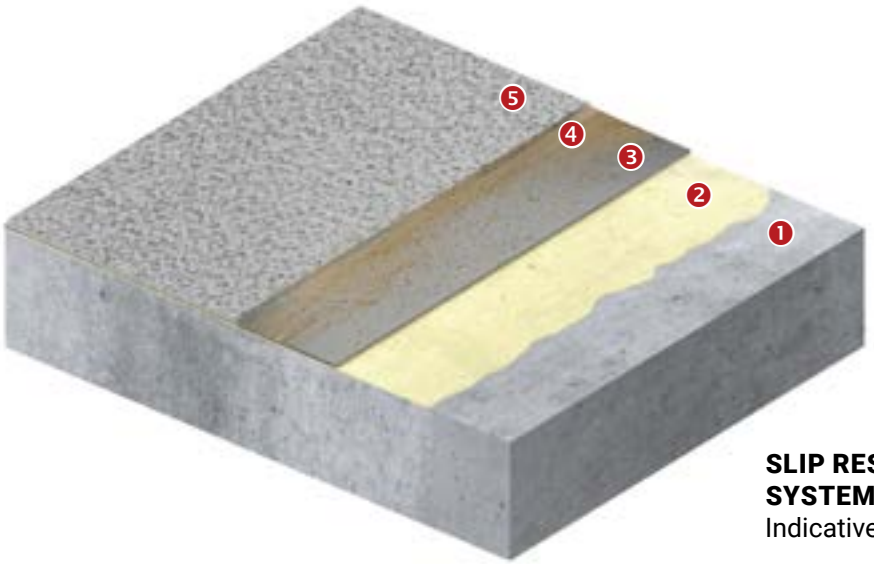
Indicative applications of **Epoxol® Floor S**

Indicative Build-Up of Epoxol® Floor Systems



SMOOTH EPOXY FLOORING SYSTEM WITH HIGH MECHANICAL AND CHEMICAL RESISTANCE
Indicative thickness: 1,5-3mm

1. Concrete substrate
2. **Epoxol® Primer SF** (or alternative **NEOTEX®** epoxy primer)
3. **Epoxol® Floor** or **Epoxol® Floor S** mixed with **Quartz Sand M-32** (ratio 1:0,8-1,2 w/w)



SLIP RESISTANT EPOXY FLOORING SYSTEM WITH A HARD-WEARING FINISH
Indicative thickness: 3-4mm

1. Concrete substrate
2. **Epoxol® Primer SF** (or alternative **NEOTEX®** epoxy primer)
3. **Epoxol® Floor** or **Epoxol® Floor S** mixed with **Quartz Sand M-32** (ratio 1:0,8-1,2 w/w)
4. Quartz sand (broadcast until saturation)
5. **Epoxol® Floor** or **Epoxol® Floor S** as a sealing layer

Epoxol® Floor

Description
Premium two-component solvent-free epoxy system, suitable for the creation of self-leveling floors, certified for use in the food industry

Fields of application
On floors which require very high mechanical and chemical resistance, e.g. in:
- Factories and warehouses
- Production facilities
- Food & beverage facilities

Properties - Advantages
- Very high mechanical and chemical resistance
- Excellent resistance to abrasion and yellowing
- May also be applied as a high-build coating by roller
- Classified as SR-C40-A12-B2,0-IR4 according to EN 13813

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:35
Gloss (60°)	99
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	61mg (mixed with Quartz Sand M-32)
Adhesion strength (EN 13892-8)	≥3N/mm^2
Hardness Shore D (ASTM D2240)	80
Impact resistance (EN ISO 6272)	IR4
Skid resistance (EN 13036-4, wet surface, with sprinkling of Quartz Sand M-32)	>25 (PTV scale)
Resistance to temperatures (dry loading)	-30^{0}C min. / +100^{0}C max.
Consumption (per mm of thickness)	**0,80kg/m^2 Epoxol®Floor + 0,80kg/m^2 Quartz Sand M-32**

Versions
Epoxol Floor Winter: For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Appearance (cured)
Glossy

Colours
RAL 9003 | RAL 1015 | RAL 3009 | RAL 7035 | RAL 7040

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 13,5kg

Resinous Flooring

Industrial Systems
with remarkable strength

Decorative Creations
of unique aesthetics

Epoxol® CM

CE

Description

Three-component epoxy-cementitious system, used for the creation of self-leveling floor coatings of 1-3mm thickness

Fields of application

- Leveling, smoothing and repairing of floors, before they are coated by resinous systems (epoxy, polyurethane or polyaspartic) or prior to the application of ceramic tiles, wooden flooring, carpets, PVC flooring, etc.
- As an intermediate flooring layer on damp concrete surfaces (min. layer thickness: 2mm)
- As a final floor coating in areas of medium traffic, e.g. residential storage rooms, attics, etc.

Properties - Advantages

- High adhesion on concrete substrates
- Excellent self-leveling properties
- Water vapour permeable
- High mechanical strength and resistance to liquids
- VOC-free - contains no solvents
- Easy and affordable solution for smoothing, repairing and leveling existing floors, prior to the application of resinous flooring systems
- Classified as CT-C30-F7-A3-B2,0 according to EN 13813

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B:C (by weight)	48,5:11,5:250
Compressive strength (EN 13892-2)	>30MPa
Flexural strength (EN 13892-2)	>7MPa
Wear resistance – Böhme (EN 13892-3)	<3cm^3/50cm^2
Adhesion strength (EN 13892-8)	>3N/mm^2
Consumption	**2,25kg/m^2 per mm of thickness**

Colour

Grey

Packing

Sets (A+B+C) of 31kg

Neopox® Pro

Description
Two-component solvent-based epoxy coating, suitable for flooring applications

Fields of application
- Floors of industries, warehouses, parking & car service garages
- Indoor metallic surfaces

Properties - Advantages
- Increased resistance to chemicals, abrasion & mechanical stress
- Excellent adhesion strength

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:20
Gloss (60°)	>95
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	110mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	33 (PTV scale)
Resistance to temperatures (dry loading, periodically)	-50°C min. / +140°C max.
Consumption	**330-360gr/m² for two layers (depending on substrate)**

Appearance (cured)
Glossy

Colour
RAL 7035

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 12kg

Aluminium Factory, Dammam, Saudi Arabia

Indicative applications of **Neopox® Pro**

Neopox® Special

CE

Description

Premium two-component solvent-based epoxy coating, suitable for flooring applications

Fields of application

- Floors of industries, warehouses, parking & car service garages
- Swimming pools, water tanks, fountains (not exposed to UV radiation)
- Interior metallic surfaces

Properties - Advantages

- Very high resistance to chemicals, abrasion & mechanical stress
- Excellent adhesion strength

Appearance (cured)

Glossy

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	75:25
Gloss (60°)	99
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D 060)	57mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	35 (PTV scale)
Resistance to temperatures (dry loading, periodically)	-50°C min. / +140°C max.
Consumption	**250-350gr/m² for two layers (depending on substrate)**

Colours

RAL 9003	RAL 9005	RAL 7005
RAL 7035	RAL 7040	RAL 6000
RAL 1018	RAL 3009	RAL 3001

Tailor-made shades available, upon special arrangement

Packing

Sets (A+B) of 10kg (white and grey shades only), 5kg and 1kg

Version: Neopox® Special Winter

For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Neopox® Satine

Description
Two-component solvent-based epoxy coating, with anti-slip properties and satin appearance

Fields of application
- Floors of warehouses, parking garages
- Interior metallic surfaces

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:20
Gloss (60°)	70
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	110mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	33 (PTV scale)
Consumption	**280-330gr/m^2 for two layers (depending on substrate)**

Appearance (cured)
Satin

Colours
RAL 9003 | RAL 7035

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 12kg, 6kg and 1,2kg (white only)

RESINOUS FLOORING

Neopox® SF Plus

CE

Description
Two-component solvent-free high-build epoxy coating, suitable for flooring applications

Fields of application
Floors of factories, laboratories, warehouses, supermarkets, schools, parking & car service garages, etc.

Properties - Advantages
- Excellent mechanical and chemical resistance
- High hardness and adhesion strength
- Exceptional resistance to abrasion
- Ideal for the creation of anti-slip floors, by sprinkling quartz sand between the layers

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	130:30
Gloss (60°)	97
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	68mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Hardness Shore D (ASTM D2240)	72
Impact resistance (EN ISO 6272)	IR4
Skid resistance (EN 13036-4, wet surface, with sprinkling of Quartz Sand M-32)	>23 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / +100°C max.
Consumption	**250-300gr/m^2 per layer**

Appearance (cured)
Glossy

RAL 7035

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 16kg

Also available
Neopox® Floor
Two-component solvent-free high-build epoxy coating for flooring applications

Preparation center for luxury vehicles, Côte d'Azur, France

Indicative applications of **Neopox® SF Plus**

Epoxol® Floor Elastic

Description
Two-component solvent-free elastic epoxy system for flooring applications, certified for use in the food industry

Fields of application
Floors of food facilities, especially refrigerating rooms subjected to thermal shocks

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:80
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	28mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Hardness Shore D (ASTM D2240)	25
Resistance to temperatures (dry loading)	-50°C min. / +80°C max.
Consumption	**500-650gr/m^2 per layer (depending on substrate)**

Appearance (cured)
Glossy

Colours
RAL 1015

RAL 7035

RAL 3009

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 18kg

Neopox® W Plus

CE

Description
Two-component brushable water-based epoxy coating for floors and walls

Fields of application
Indoor floors and walls of:
- Factories & warehouses
- Shops & laboratories
- Rooms with increased humidity, such as bathrooms and kitchens

Properties - Advantages
- Very good resistance to abrasion and yellowing
- Ideal for interior applications where solvent fumes are undesirable
- Can be easily tinted with water-based emulsion colourants (light shades)

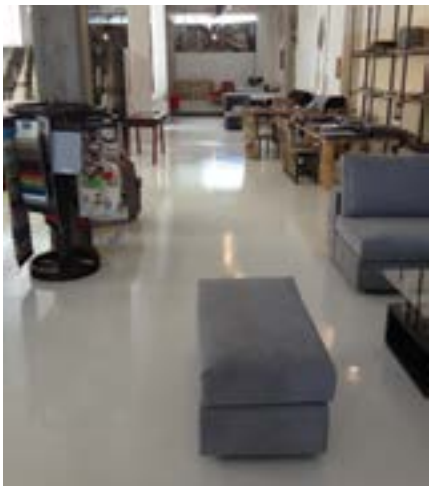
TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:25
Gloss (60°)	62
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	78mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	38 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / +70°C max.
Consumption	**330-400gr/m² for two layers**

Appearance (cured)
Satin

Colours
RAL 9003 | RAL 7035

Tailor-made shades available upon special arrangement

Packing
Sets (A+B) of 12,5kg, 6,25kg and 1,25kg



Version: Neopox® W

Two-component water-based epoxy coating with mat appearance, for floors and walls. Suitable for the food industry.

Polyurethane & Acrylic Varnishes

Neodur® Varnish System

Description
Transparent polyurethane varnish system for the protection and decoration of various surfaces

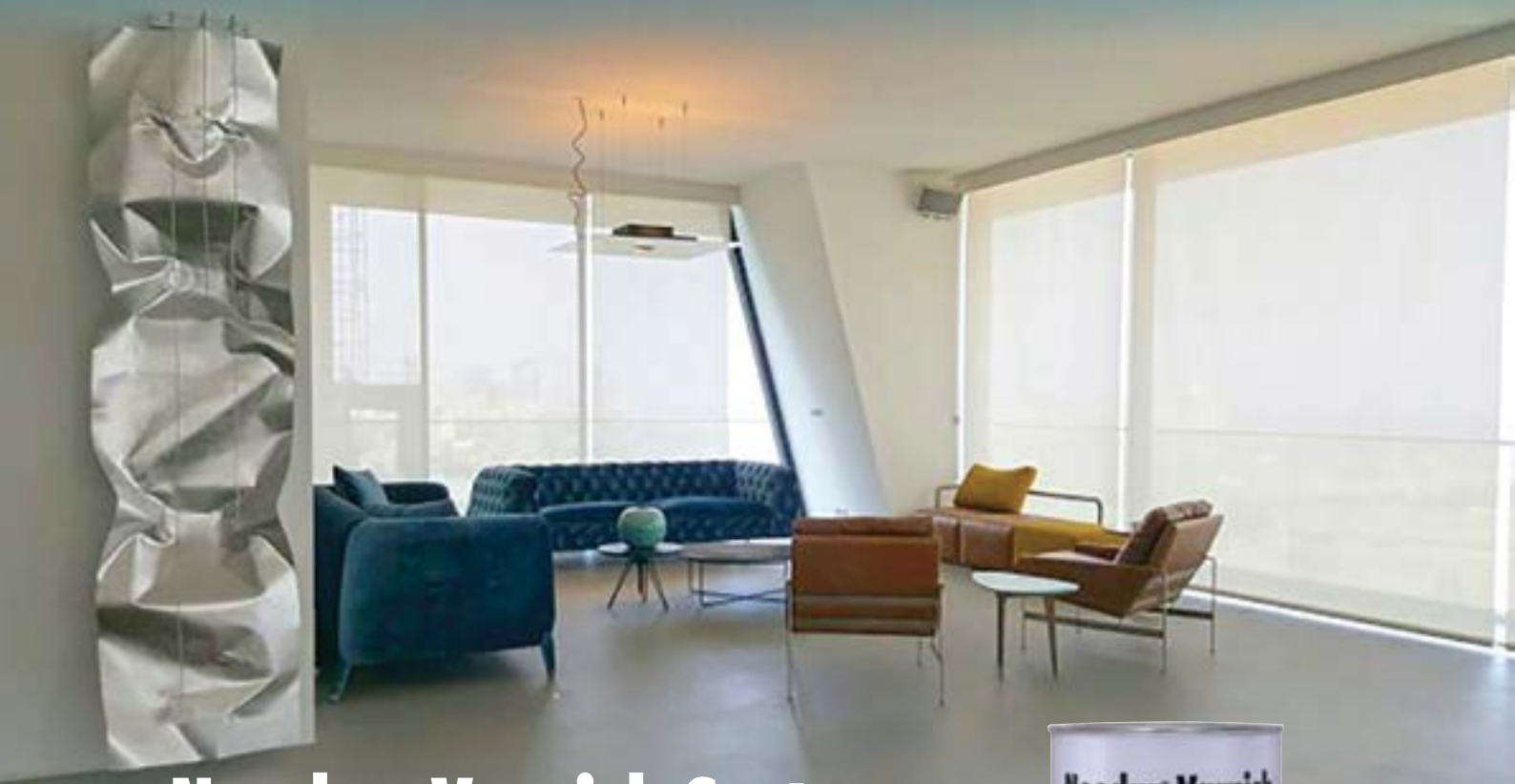
Fields of application
Suitable for the protection and decoration of floors and walls, applied on top of:
- Concrete and cementitious screeds
- Decorative micro-cement coatings
- Natural stone
- Epoxy coatings
- Porous surfaces

Properties - Advantages
- Watertight final finish
- Long-lasting UV stability and resistance to yellowing
- Excellent abrasion resistance and mechanical strength
- High resistance to chemicals (dilute acids, alkalis)
- Variety of final finish effects

Shopping Center, Szczecin, Poland

Indicative applications of **Neodur® Varnish System**

Protection & Decoration PU Varnish



Neodur® Varnish System

Multi-purpose transparent PU system

- Long lasting UV stability and abrasion resistance
- Variety of final finish effects
- Ideal protection of concrete, decorative micro-cement coatings, natural stone, epoxy systems & porous surfaces

CE

Neodur® Varnish System - Relevant Products

Neodur® Varnish

CE

Description

Two-component solvent-based polyurethane glossy varnish, cured with aliphatic polyisocyanates, suitable for the protection and decoration of various surfaces

Properties - Advantages

- Long-lasting UV stability and resistance to yellowing
- Excellent hardness & adhesion properties
- Very good gloss retention, even after several years
- May also be applied in swimming pools over **Neopox® Pool** *(see page 120)*, offering further UV protection and enhancing the durability of the epoxy coating, by delaying the chalking phenomenon

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	36:14
Gloss (60°)	>98
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	42mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	37 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**125gr/m² per layer (on properly prepared surfaces)**

Appearance (cured)

Transparent, glossy

Packing

Sets (A+B) of 15kg, 5kg and 1kg

Neodur® Varnish Mat

Description

Two-component solvent-based polyurethane mat varnish, cured with aliphatic polyisocyanates, suitable for the protection and decoration of various surfaces

Properties - Advantages

- Long-lasting UV stability and resistance to yellowing
- Excellent hardness & adhesion properties
- High aesthetic result

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	38:14
Gloss (60°)	19
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	38 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / 80°C max.
Consumption	**125gr/m² per layer (on properly prepared surfaces)**

Appearance (cured)

Transparent, mat

Packing

Sets (A+B) of 15,6kg, 5,2kg and 1kg

Neodur® Varnish W Mat

Description

Two-component water-based polyurethane mat varnish, cured with aliphatic polyisocyanates, suitable for the protection and decoration of various surfaces

Properties - Advantages

- Long-lasting UV stability and resistance to yellowing
- Excellent hardness & adhesion properties
- Ideal for interior applications where solvent fumes are undesirable
- Eco-friendly & user-friendly

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	90:10
Gloss (60°)	20
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	30mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	38 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**125gr/m² per layer (on properly prepared surfaces)**

Appearance (cured)

Transparent, mat

Packing

Sets (A+B) of 9kg, 3kg and 1kg

Neodur® Varnish PR

Description

Hybrid primer for cementitious surfaces, which are to be covered with polyurethane varnishes **Neodur® Varnish, Neodur® Varnish Mat** or **Neodur® Varnish W Mat**

Properties - Advantages

- Protects against water absorption
- Maintains the natural appearance of the substrate
- Exhibits high mechanical and chemical resistance
- May also be applied as a final layer in certain applications, in order to seal porous surfaces and prevent dust generation

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Adhesion strength (EN 13892-8)	≥2N/mm²
Drying time (+25°C)	3 hours
Dry to recoat (+25°C)	24-36 hours (depending on the atmospheric humidity)
Consumption	**100-120gr/m² for one layer (depending on substrate absorptivity)**

Appearance

Transparent

Packing

10kg, 3kg and 1kg in plastic pails

Neodur® Varnish System

Resistance to Stains (acc. to ASTM D1308-02)

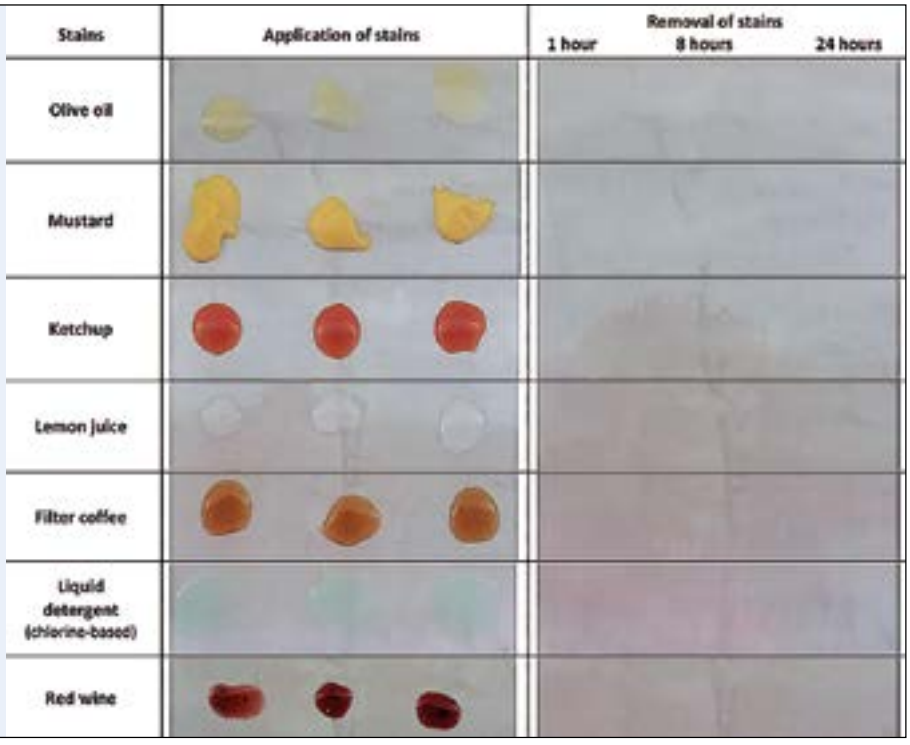
Visual evaluation

1. Cementitious substrate, untreated

→ The substrate gets immediately impregnated with commonly used food products. When unprotected, permanent stains remain.

2. Cementitious substrate with Neodur® Varnish in two layers

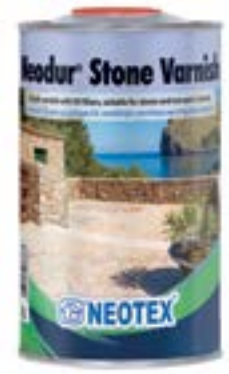
→ No visual change was observed even when 24 hours intervened before the cleaning of the stains.
→ None of the stains left any coloured marks or affected the gloss of **Neodur® Varnish**



Neodur® Stone Varnish

Description
One-component solvent-based pure-acrylic varnish, suitable for stones and stamped concrete

Fields of application
- Porous stones
- Stamped concrete
- Concrete floors to prevent dust generation



Properties - Advantages
- Penetrates deep into the surface
- High resistance to UV radiation & yellowing
- Waterproofs the surface, protects from mould growth and atmospheric pollution
- Enhances the natural appearance of the surface
- Fast-drying

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Adhesion strength (EN 13892-8)	≥2N/mm^2
Drying time (+25^{o}C)	1 hour initially
Dry to recoat (+25^{o}C)	~3 hours
Consumption	**120-140ml/m^2 for one layer (depending on substrate absorptivity)**

Appearance (cured)
Transparent, satin

Packing
20L, 4L and 1L in metal cans

Neodur® Special

CE

Description
Two-component solvent-based aliphatic polyurethane coating, suitable for external flooring applications

Fields of application
- Exterior floors of industries, parking areas, gas stations
- Warehouse ramps, car ramps

Properties - Advantages
- UV-resistant & non-yellowing, not affected by sunlight and weather conditions
- Excellent resistance to abrasion and mechanical stress
- Highly resistant to chemicals
- Also ideal for the creation of exterior anti-slip floors

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	75:25
Gloss (60°)	96
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	58mg
Adhesion Strength (EN 13892-8)	≥3N/mm^2
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	34 (PTV scale)
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption	**350gr/m^2 for two layers (depending on substrate)**

Appearance (cured)
Glossy

Colours
RAL 9003 | RAL 7005 | RAL 7035 | RAL 7040

Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 10kg, 5kg and 1kg

Epoxol® Design

Description

Solvent-free epoxy system, suitable for the creation of self-leveling decorative floors with a multi-dimensional metallic effect. The system consists of a pigmented epoxy resin (**Epoxol® Design Base Coat**) and a metallic effect resin (**Epoxol® Design**)

Fields of application

- Decorative floors of hotels, offices, showrooms
- Commercial & residential floors

Properties - Advantages

- Stunning metallic effect finish
- Excellent resistance to abrasion
- Endless options which lead to unique floor creations

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:35 (**Epoxol® Design Base Coat**) 100:35 (**Epoxol® Design**)
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	81mg
Adhesion strength (EN 13892-8)	≥3N/mm^2
Hardness Shore D (ASTM D2240)	81
Impact resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	-30°C / +100°C
Consumption (indicative)	**0,70-0,80kg/m^2 Epoxol® Design Base Coat + 0,20-0,30kg/m^2 Epoxol® Design**

Appearance (cured)

Glossy

Colours

Epoxol® Design Base Coat

White, Grey, Blue

Tailor-made shades may be produced for a minimum quantity, upon special arrangement

Epoxol® Design

Aluminum, Gold

Packing

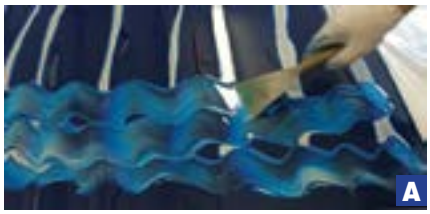
Epoxol® Design Base Coat

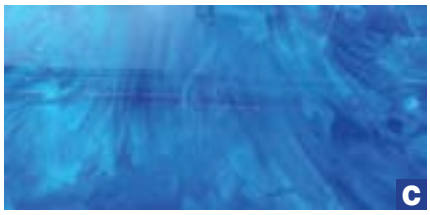
Sets (A+B) of 13,5kg

Epoxol® Design

Sets (A+B) of 4,05kg

Application steps





Final Result

Epoxol® 3D

CE

Description
Two-component solvent-free transparent epoxy system, suitable for the creation of 3D floors or embedding various items

Fields of application
- Decorative floors of hotels, showrooms
- Commercial & residential floors

Properties - Advantages
- High clarity even at high thicknesses
- Designed for easy application, with minimal air bubbles
- Applied at thicknesses of 2,5mm in one layer
- Low yellowing tendency
- Does not contain solvents, extenders or fillers

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:60
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	70mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Hardness Shore D (ASTM D2240)	79
Impact resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	-30°C / +80°C
Consumption	**1,00kg/m^2 per mm of thickness**

Appearance
Transparent, amber

Packing
Sets (A+B) of 16kg and 1kg

Epoxol® Deco

Description

Three-component solvent-free epoxy system, suitable for the creation of self-leveling decorative floors with a granite look

Fields of application

- Decorative floors of hotels, offices, showrooms
- Commercial & residential floors

Properties - Advantages

- Yields a seamless decorative floor with a natural look of granite
- Excellent resistance to abrasion and chemicals
- High aesthetic result

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B:C (by weight)	62,5:37,5:170
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	71mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Impact resistance (EN ISO 6272)	IR4
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption (per mm of thickness)	**1,35kg/m^2**

Appearance (cured)

Glossy

Colours

Six available final finishes *(see page 85)*

Packing

Sets (A+B+C) of 27kg

No 103

No 1305

No 860

No 990

No 833

No 940

Note: The above images are not intended to provide a perfect match to the actual product colours. The colour shades in the images may differ from the actual product due to reproduction limitations

Neopox® Deco

Description

Two-component solvent-based epoxy coating with metallic pigments, suitable for decorative applications

Fields of application

- Decorative floors and walls of shops, hotels, etc.
- Interior metallic surfaces

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	70:30
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	57mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Resistance to temperatures (dry loading)	-50°C min. / +140°C max.
Consumption	**250-330gr/m^2 for two layers (depending on substrate)**

Appearance (cured)

Glossy

Colours

Blue, Green, Black

Packing

Sets (A+B) of 5kg

Stone Carpets

Neodur® Polyurea

Description
Two-component transparent aliphatic polyurea system, suitable for the creation of stone carpets, for exterior applications

Fields of application
- Exterior decorative floors and stairs of shops, hotels, etc.

Properties - Advantages
- UV resistance, non-yellowing even after many years
- Very high compressive and flexural strength
- Developed for the creation of highly durable decorative exterior floors

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	1:1
Hardness Shore D (ASTM D2240)	60 (pure resin)
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption (indicative, stone carpet of 5mm thickness)	**0,7kg/m² Neodur® Polyurea + 9kg/m² Quartz Sand NQS grey 0,6-1,2mm**

Appearance
Transparent

Packing
Sets (A+B) of 20kg

Complementary products
Mineral Oil Light: Release agent for the smooth application of **Neodur® Polyurea** stone carpets

Quartz Sand NQS grey: Grey quartz sand (grain size of 0,6-1,2mm) to be mixed with **Neodur® Polyurea, Epoxol® 2874, Epoxol® RM** or **Epoxol® RM-YR** for the creation of stone carpets

Neodur® Polyurea S

Description
Two-component transparent aliphatic polyurea varnish, ideal for sealing stone carpets

Fields of application
- Sealing of stone carpets (e.g. from **Neodur® Polyurea** and quartz sand)
- Protection of concrete, cementitious screeds, micro-cement coatings
- As a final protective layer on industrial floors, metallic & cementitious surfaces, especially at seaside areas

Properties - Advantages
- Exceptional and long-lasting UV stability, non-yellowing
- Very high mechanical strength and abrasion resistance
- Gloss retention
- Protection against water uptake

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	45:35
Gloss (60°)	85
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	24mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Consumption (indicative)	**0,7-1kg/m2 per layer for sealing a stone carpet with quartz sand 0,6-1,2mm**

Appearance
Transparent, glossy

Packing
Sets (A+B) of 8kg

Epoxol® 2874

CE

Description
Two-component solvent-free transparent epoxy system, suitable for the creation of interior stone carpets and for casting or embedding various items

Fields of application
Decorative floors and stairs of shops, hotels, etc.

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:58
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	72mg
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Hardness Shore D (ASTM D2240)	83
Consumption (indicative, stone carpet of 4mm thickness)	**1kg/m² Epoxol® 2874 + 6kg/m² Quartz Sand NQS grey 0,6-1,2mm**

Appearance
Transparent, amber

Packing
Sets (A+B) of 15,8kg, 3,95kg and 1kg

Versions for Stone Carpet Systems
Epoxol® RM-YR: Transparent, solvent-free epoxy resin with increased yellowing resistance
Epoxol® RM: Transparent, solvent-free epoxy resin

Polymer-modified Coatings

Neocryl® Special

CE

Description
One-component water-based polymer-modified coating, based on acrylic resins, suitable for exterior flooring applications

Fields of application
- Exterior parking areas with light traffic
- Patios of residential and commercial buildings

Properties - Advantages
- High anti-slip properties and resistance to abrasion
- Excellent adhesion on asphalt, concrete, cement screeds
- Very good resistance to adverse weather conditions
- Eco-friendly & user-friendly (water-based, one-component)

TECHNICAL CHARACTERISTICS	
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	190mg
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface)	41 (PTV scale)
Consumption	**250-330gr/m² for two layers (depending on substrate)**

Colours
RAL 9003 | RAL 7037

Also available in D base offering versatility for the creation of the requested shade
Tailor-made shades available, upon special arrangement

Packing
12kg, 4kg and 1kg in plastic pails

Neocryl® Sport Flex

Description
One-component water-based flexible polymer-modified coating, based on acrylic resins, suitable for sport floors

Fields of application
- Sport courts (tennis courts, basketball courts, etc.)
- Schoolyards and surrounding walls

Properties - Advantages
- Increased flexibility and anti-slip properties
- Excellent adhesion on asphalt, concrete, cement screeds, hard quick
- Very good resistance to adverse weather conditions
- Eco-friendly & user-friendly (water-based, one-component)

TECHNICAL CHARACTERISTICS	
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Skid resistance (EN 13036-4, wet surface)	28 (PTV scale)
Consumption	**250-330gr/m² for two layers (depending on substrate absorptivity)**

Colours
RAL 9003 | RAL 3009 | RAL 6000 | RAL 5024

(Pastel blue RAL 5024 available only in 12kg packing)
Tailor-made shades available, upon special arrangement

Packing
12kg and 4kg in plastic pails

Epoxol® Primer

CE

Description
Two-component, solvent-based epoxy primer

Fields of application
- Floors and walls which will be covered with epoxy, PU or polyaspartic coatings and systems (**Epoxol®**, **Neopox®**, **Neodur®**)
- Floors, walls and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid**, for adhesion improvement
- As an anti-dust sealer on old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio A:B (by weight)	70:30
Substrate moisture content	<4%
Consumption	**120-160gr/m² per layer (depending on substrate absorptivity)**

Appearance
Transparent, yellowish

Packing
Sets (A+B) of 10kg, 5kg and 0,8kg

Also available:

Neodur® Fast Track PR *(see page 57)*: Two-component, fast-drying solvent-based hybrid (polyurea - polyurethane) primer for quick applications / Dry to recoat: 3 hours (+25°C)

Neopox® Special Primer 1225 / Neopox® Primer 815 *(see page 124)*: Two-component, solvent-based epoxy anti-corrosive primers for applications on metallic surfaces

Epoxol® Primer SF

Description
Two-component solvent-free epoxy primer for flooring applications

Fields of application
- Floors which will be covered with resinous coatings and systems (**Epoxol®, Neopox®, Neodur®**)
- Floors and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid**, for adhesion improvement
- As a binder for resin mortars intended for leveling, repairing, etc.

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio A:B (by weight)	64,5:35,5
Adhesion strength (EN 13892-8)	≥3N/mm²
Substrate moisture content	<4%
Consumption	**200-300gr/m² per layer (depending on substrate absorptivity)**

Appearance
Transparent, yellowish

Packing
Sets (A+B) of 10kg

Version: Epoxol® Primer SF Winter

For applications in highly humid environments (RH up to 80%) and low temperatures (down to +5°C)

Also available: Epoxol® Primer SF-P

Two-component solvent-free epoxy primer for flooring applications, ideal in cases of substrates with increased porosity

Neopox® Primer AY

Description
Two-component solvent-free anti-osmotic epoxy primer, suitable for application on floors with rising moisture

Fields of application
- Floors with rising moisture which will be covered with resinous coatings and systems (**Epoxol®, Neopox®, Neodur®**)
- New concrete floors (less than 28 days), which will be coated with resinous coatings and systems (**Epoxol®, Neopox®, Neodur®**)

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio A:B (by weight)	30:20,5
Adhesion strength (EN 13892-8)	≥2,5N/mm²
Resistance to rising humidity (Test method DIN EN 13578)	Successful
Substrate moisture content	<8%
Consumption	**400-500gr/m² per layer**

Appearance
Transparent

Packing
Sets (A+B) of 5,05kg and 1kg

Neopox® Primer WS

Description
Two-component solvent-free epoxy primer, suitable for damp surfaces

Fields of application
- Damp concrete floors – with water gathered in the pores, without rising moisture – which will be covered with resinous coatings and systems
- Old cement-based surfaces which require stabilization

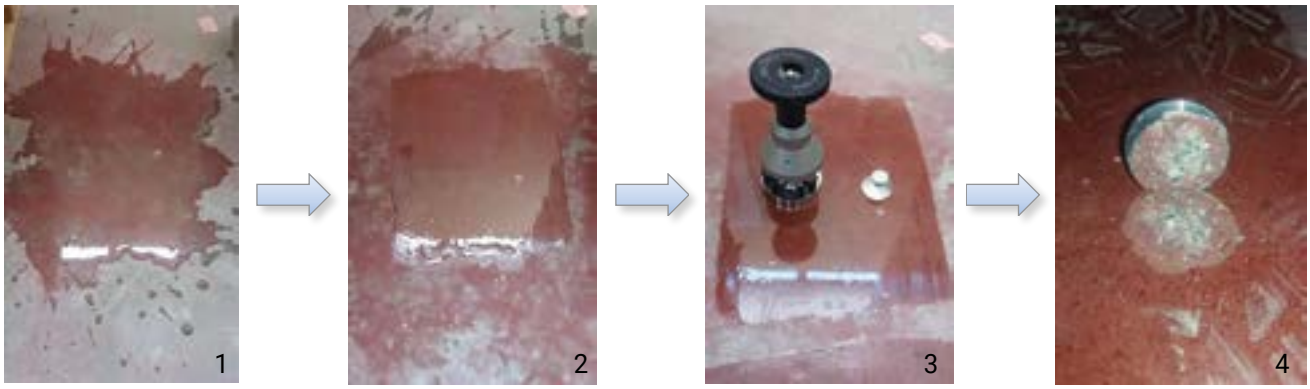
TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:60
Adhesion strength (EN 13892-8)	≥3N/mm²
Consumption	**200-300gr/m² per layer (depending on substrate absorptivity)**

Appearance
Transparent, yellowish

Packing
Sets (A+B) of 10kg and 1kg

Adhesion test of Neopox® Primer WS applied on surface impregnated with water

1. The surface is saturated with water and after 30 minutes the excess water gets removed
2. **Neopox® Primer WS** is applied on the wet surface with a brush and is subsequently allowed to dry for 7 days under normal conditions
3. A metallic specimen is adhered on the primer with epoxy glue (allowed to dry for 7 days). The adhesion test is then performed with the proper device in accordance with ASTM D4541.
4. Concrete failure: The floor surface appears at the bottom of the specimen and remains bonded with the primer.



Also available: Neodur® Primer SF *(see page 59)*: Two-component, fast-drying, solvent-free hybrid (polyurea - polyurethane) primer for quick applications / Dry to recoat: 3 hours (+25°C)

Acqua Primer

CE

Description
Two-component water-based epoxy primer, also suitable for surfaces with high moisture content

Fields of application
- Floors and walls which will be covered with resinous coatings and systems (**Epoxol®, Neopox®, Neodur®**)
- Floors, walls and joints prior to sealing them with epoxy repairing materials **Epoxol® Putty** and **Epoxol® Liquid**, for adhesion improvement
- As an anti-dust sealer on old cement-based surfaces which require stabilization

TECHNICAL CHARACTERISTICS - APPLICATION CONDITIONS	
Mixing ratio A:B (by weight)	100:40
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Substrate moisture content	<8%
Consumption	**120-160 gr/m^2 per layer (depending on substrate absorptivity)**

Appearance
Transparent, yellowish

Packing
Sets (A+B) 14kg, 7kg and 0,7kg

Anti-slip Additives

Neotex® Antiskid M

Description
Anti-slip polyethylene additive for flooring protection coating systems

Fields of application
- Floors of industries, warehouses, car service facilities, parking decks
- Swimming pools, fountains, boats
- Indoor metallic surfaces

Properties – Advantages
- Its addition on the final layer of the coating system grants a medium anti-slip effect
- High mechanical and chemical properties
- Uniform result
- Compatible with any thin resinous coating (water-based, solvent-based, solvent-free)

Appearance
Semi-transparent, white

Packing
1kg in plastic pails,
100gr in plastic bottles, 20gr in PE bags

TECHNICAL CHARACTERISTICS	
Volume weighted mean particle size (ISO 13320-1)	250-300μm
Recommended ratio	**1,5-2,5% by weight of the liquid product**

Neotex® 1021

Description

Thinner suitable for epoxy systems **Neopox® Special, Neopox® Pool, Neopox® Pro, Neopox® Satine, Neopox® Deco, Epoxol® Primer** and polyurethane systems **Neodur®, Neodur® Varnish** and **Neodur® Varnish Mat**.
Also suitable for the cleaning of the surfaces or tools, after the application of the above products.

Appearance

Transparent

Packing

18L, 5L and 1L in metal cans

Neotex® PU 0413

Description

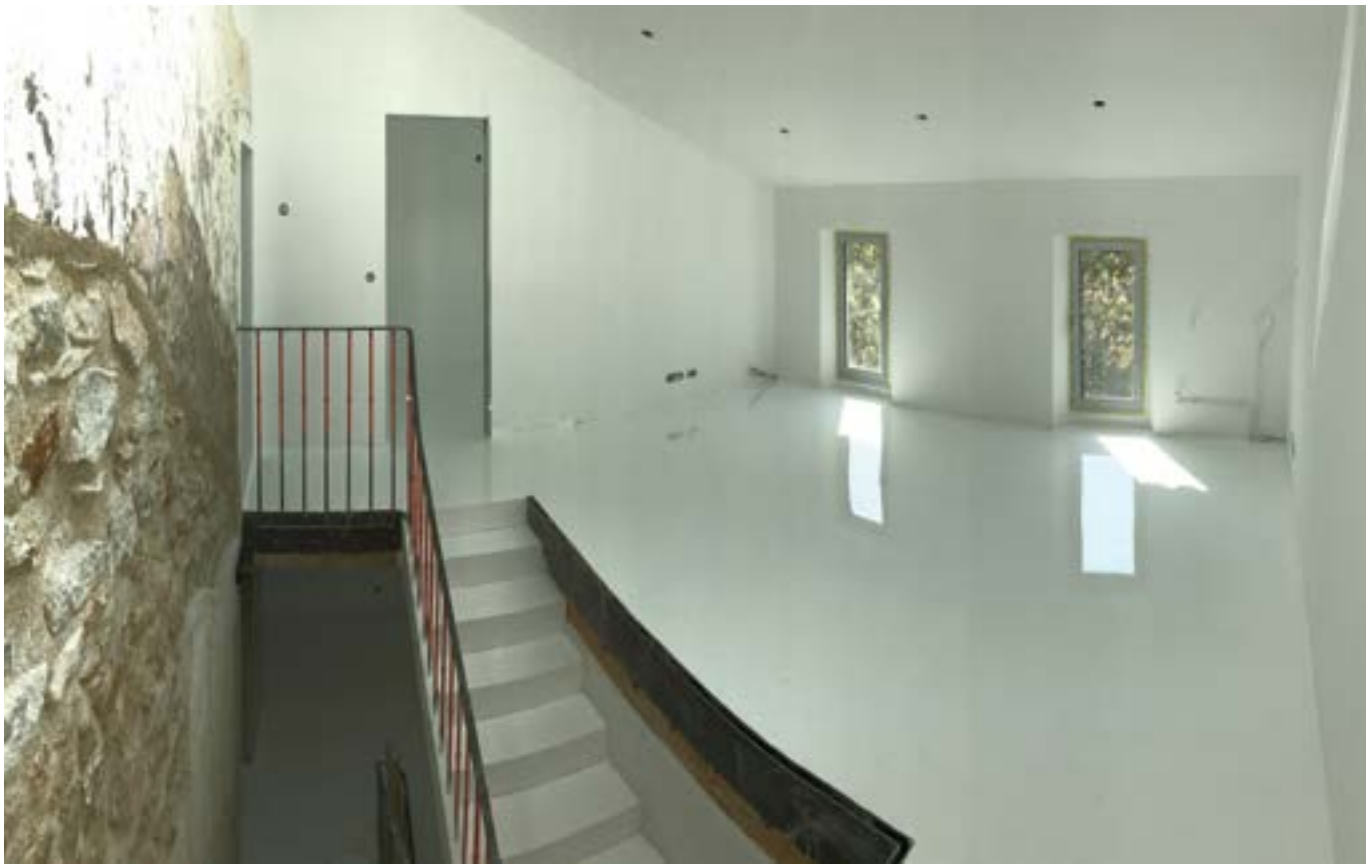
Thinner for **Neodur® Special.** Also used for the dilution - if needed - of **Neoproof® Polyurea** and **Neodur® Fast Track** coatings

Appearance

Transparent

Packing

1L in metal cans



INSULATION & ENERGY SAVING

INSULATION & ENERGY SAVING

Waterproofing & Reflective Coatings

Neoroof®

CE

Description
Hybrid elastomeric waterproofing coating for roofs (UV-curable) with high solar reflectance and thermal emittance properties

Fields of application
- Roofs made of concrete, cement tiles, cementitious screeds
- Rooftops where increased resistance to ponding water is required
- On top of mineral bitumen membranes
- Metallic surfaces
- Next to and under photovoltaic panels, enhancing their efficiency
- On top of new or old liquid waterproofing membranes
- Thermal-insulating polyurethane panels and polycarbonate panels
- Over old roofing made of asbestos

Properties - Advantages
- Certified cool roofing properties
- Very high dirt pick-up resistance, prevents the deposit of dust and pollutants on the cured membrane
- Retains the whiteness of the membrane and its high energy saving properties
- Does not get tacky even under extremely high temperatures
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -35°C to +80°C
- Suitable for walkable roofs
- Increased resistance to ponding water
- Eco-friendly & user-friendly (water-based, one-component)
- Vapour permeable, allows the roof to “breathe”
- Economical solution, also due to its high spreading rate

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	300%
Adhesion strength (EN 1542)	>1,5N/mm^2
Hardness Shore A (ASTM D2240)	44
Service temperature	-35°C min. / +80°C max.
Reflectance (ASTM E903-96 / ASTM G159-98)	91,8% (Visible: 400-750nm)
Total Reflectance (SR%) (ASTM E903-96 / ASTM G159-98)	88%
Solar Reflectance Index (SRI) (ASTM E1980-01)	111
Total Emittance (ASTM E408-71)	0,86
Consumption	**700gr/m^2 for two layers (cementitious surface), 1-1,25kg/m^2 for two layers (mineral bitumen membrane)**

Appearance
Viscous liquid

Colours
RAL 9003

Also available in light grey, other shades upon request

Packing
13kg, 4kg and 1kg in plastic pails

Cavo Paradiso Club, Mykonos, Greece

Indicative applications of **Neoroof®**

Silatex® Reflect

CE

Description

Reflective, elastomeric waterproofing coating for exterior walls and facades, with high solar reflectance and thermal emittance properties

Fields of application

External walls of new or existing buildings, on substrates such as concrete, plaster, bricks, cement boards, asbestos cement

Properties - Advantages

- Certified reflectance and heat emittance properties
- Reduces the temperature of the exterior surface exposed to the sun, offering cool ambient conditions
- Very high dirt pick-up resistance, easy to wash
- Retains its whiteness and initial high energy saving properties
- Does not get tacky even under extremely high temperatures
- Long-lasting resistance to UV radiation & adverse weather conditions
- Remains elastic in a broad range of temperatures from -40°C to +80°C
- Eco-friendly & user-friendly (water-based, one-component)
- Vapour permeable, allows the walls to "breathe"
- Covers capillary cracks
- Protects concrete against aggressive atmospheric influences
- Promotes a self-cleaning effect on the treated surfaces

TECHNICAL CHARACTERISTICS	
Elongation at break (ASTM D412)	250%
Service temperature	-40°C min. / +80°C max.
Reflectance (ASTM E903-96 / ASTM G159-98)	91% (Visible: 400-700nm)
Total Reflectance (SR%) (ASTM E903-96 / ASTM G159-98)	88%
Solar Reflectance Index (SRI) (ASTM E1980-01)	111
Total Emittance (ASTM E408-71)	0,86
Consumption	**180-200ml/m² for two layers**

Appearance

Viscous liquid

Colours

RAL 9003

Also available in TR, D bases offering versatility for the creation of the requested shade

Packing

10L, 3L and 1L in plastic pails

Neodur®

Description
Two-component, aliphatic polyurethane, top coat paint, ideal for exterior metallic structures

Fields of application
- Exterior and interior metallic surfaces
- Rigid wooden surfaces
- Polyester boats (above water level)

Properties - Advantages
- Long-lasting UV stability and durability
- Resistance to fresh water, sea water, alkalis, industrial atmosphere and adverse weather conditions
- High hardness and resistance to abrasion and yellowing
- Gloss retention
- Certified as cool material in its white shade

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	87:13
Gloss (60°)	92
Flexibility (ASTM D522, 180° bend, 1/8" mandrel)	Pass
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Total Reflectance (SR%) (ASTM E903-96 / ASTM G159-98)	88% (White)
Total Emittance (ε) (ASTM E408-71)	0,86 (White)
Solar Reflectance Index (SRI) (ASTM E1980-01)	111 (White)
Consumption	**150gr/m² per layer**

Appearance (cured)
Glossy

Colours
White (RAL 9003)
Tailor-made shades available upon request

Packing
Sets (A+B) of 10kg, 5kg and 1kg
Also available in 1kg sets: Beige (RAL 9010), Grey (RAL 7040), Red (RAL 3009), Black (RAL 9005), Dark Blue (RAL 5013), Blue (RAL 5015), Green (RAL 6009)

RAL 9003 | RAL 9005 | RAL 9010 | RAL 7040

RAL 3009 | RAL 5013 | RAL 5015 | RAL 6009

Thermal Insulating Coatings

Neotherm® AC

Description

Unique anti-condensation paint with thermal insulating properties, specifically designed to resist the forming of condensation on internal walls and ceiling surfaces, thus permanently preventing the growth of mould and bacteria

Fields of application

- On internal walls (plaster, concrete, etc.) and ceilings, contributing to energy savings
- On thermal bridges (in beam junctions, northern walls, etc.) which are a basic cause of vapour condensation and the creation of mould and bacteria

TECHNICAL CHARACTERISTICS	
Thermal conductivity (λ) (ISO/DIS 22007-22)	0,084W/mK
Consumption	**200-300ml/m² for two layers**

Colours

RAL 9003

Also available in TR, D bases offering versatility for the creation of the requested shade

Packing

10L, 3L and 1L in plastic pails

N-Thermon® System

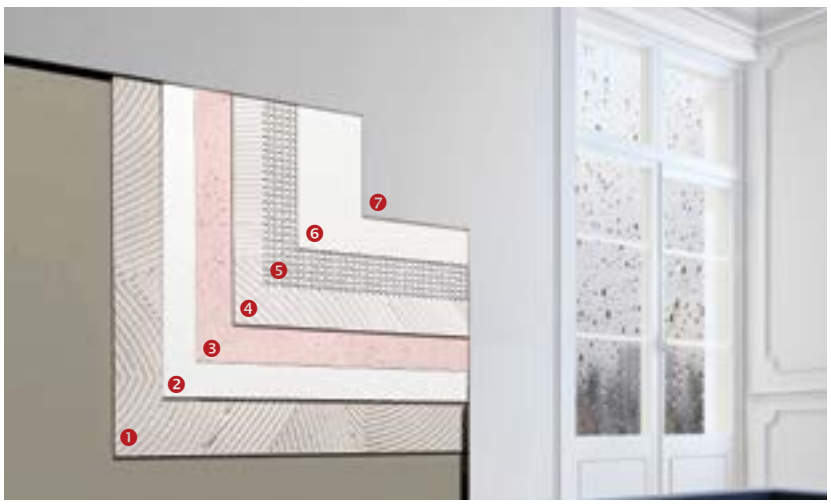
CE

Description
Innovative, thin thermal insulation system

Fields of application
- Ideal for interior surfaces, such as cold and moist walls, ceilings, basements, closets
- Suitable also for exterior thermal insulation installations

Properties - Advantages
- Minimizes the thermal losses and the expenses for heating and cooling
- Total energy savings up to 28,3%. Combined with the cool coatings **Neoroof®** and **Silatex® Reflect,** the total energy savings may rise up to 37,4% (Energy Saving Study by the University of Athens)
- Provides quicker heating of rooms
- Ideal system for repairs and renovations in existing buildings, due to the minimal total thickness (between 9 and 12mm)
- Certified as a system (**N-Thermon® 6mm - Deplast®**) for its fire reaction performance (Classification **Bs1d0** acc. to **EN 13501-1**)

TECHNICAL CHARACTERISTICS		
N-Thermon® board	**6mm**	**9mm**
Foam Density (EN ISO 845)	33kg/m^3	35kg/m^3
Thermal Conductivity Value (λ) (DIN 52612)	0,0306W/mK	0,0307W/mK
Thermal Resistance Value (R or 1/Λ)	0,1961m^{2}k/W	0,293m^{2}k/W
Heat Penetration Value (b)	2,4kJ/m^{2}h^{0,5}K	2,4kJ/m^{2}h^{0,5}K
Water Absorption (DIN 53434)	<0,1% vol.	<0,1% vol.
Water vapour permeability resistance factor (μ) (DIN 52615)	450	300
Water vapour diffusions – equivalents of air-layer thickness (Sd) (DIN 52615)	2,7m	2,7m
Board dimensions	1,25 x 0,80m	1,25 x 0,80m



1. **N-Thermon® Glue**: specially developed, mould repellent glue
2. **N-Thermon®**: 6 & 9mm XPS boards
3. **N-Thermon® Primer**: quartz sand primer for the **Deplast®** plaster
4. **Deplast®:** High-strength resinous plaster
5. **N-Thermon® Mesh 90gr:** alkali resistant fiberglass mesh
6. **Deplast®**: High-strength resinous plaster
7. **Neotherm® AC:** Anti-condensation paint (optionally)

N-Thermon®

Innovative thin internal thermal insulation system

Ideal for interior surfaces, such as cold and moist walls, ceilings, basements, closets

ENERGY SAVING up to 28,3%

- Minimal total thickness (9-12mm)
- Reduces heating and cooling costs
- Ideal for renovations and repairs
- Prevents moisture and mould growth
- Easy and quick installation

CE

National and Kapodistrian University of Athens

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

N-Thermon® System - Relevant Products

N-Thermon® Glue

Description
Specially designed glue for adhering **N-Thermon®** insulation boards on walls and ceilings

Properties - Advantages
- Slows down mould growth even under very humid conditions
- Very strong adhesion on masonry substrates
- Not affected by adverse weather conditions

TECHNICAL CHARACTERISTICS	
Consumption	**500-700gr/m² on smooth surfaces**

Packing
15kg, 5kg and 1kg in plastic pails

N-Thermon® Primer

Description
Strong bonding quartz sand primer, acting as a bridge of adhesion between **N-Thermon®** boards and **Deplast®** *(see also page 116)*

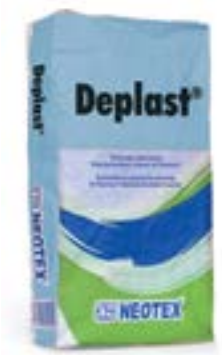
TECHNICAL CHARACTERISTICS	
Consumption	**330-400gr/m² in one layer**

Packing
15kg, 5kg and 1kg in plastic pails

Deplast®

CE

Description
High-strength, cement-based plaster of high elasticity (part of **N-Thermon® System**)



Properties - Advantages
- High impact resistance
- Easily applied on vertical surfaces

TECHNICAL CHARACTERISTICS	
Consumption	**1,5kg/m² per mm of thickness**

Colour: White
Packing: 25kg in bags

N-Thermon® Mesh 90gr

Description
White alkali-resistant fiberglass mesh ideal for reinforcing **Deplast®**

Packing: Roll 50 x 1m

REPAIRING MATERIALS

REPAIRING

Neodur® FT Putty

Description
Fast-curing, aliphatic polyaspartic polyurea putty

Fields of application
- Leveling, smoothing and repairing of floors and walls, prior to the application of polyurea, epoxy or PU coatings (**Neodur®, Epoxol®, Neopox®**)
- Bonding of building elements (concrete, metal, wood, ceramics, etc.)
- Repairing applications that require mechanical strength and chemical resistance, as well as impermeability to water

Properties - Advantages
- Fast-drying - May be overcoated in 2 hours, enabling the quick application of the first layer of the coating system that follows
- Excellent resistance to UV radiation
- Consists of pure resins and selected hardeners, free of solvents or filler
- Exhibits strong bonding ability
- May also be applied on vertical surfaces

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:62
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Resistance to temperatures (dry loading)	-30°C min. / +80°C max.
Pot life (+25°C)	10 minutes
Drying time (+25°C)	2 hours
Consumption	**1,1kg/m^2 per mm of thickness**

Appearance (cured)
Transparent – milky white

Packing
Sets (A+B) of 1kg

Epoxol® Putty

Description
Two-component bonding-sealing system based on epoxy resins

Fields of application
As a structural adhesive and putty for concrete elements, hard natural stone, ceramics, fiber cement, bricks, masonry, steel, iron, aluminium, wood, polyester

Properties - Advantages
- Free of solvents, extenders, fillers, thus offering very high mechanical and chemical properties
- Excellent resistance to detergents, alkalis, fuels & lubricants
- Very good resistance to fresh water, sea water, dilute acids
- Can be rigid or elastic, depending on the mixing ratio of A:B, covering gaps and/or joints, where elasticity is required

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	a) 1:1 - Standard version, for bonding and repairing applications b) 2:1 - Hard version c) 1:2-2,5 - Elastic version

Packing
Sets (A+B) of 6kg and 1kg




Epoxol® Liquid

Description
Fluid version of **Epoxol® Putty** for spreading on bigger horizontal surfaces and filling smaller gaps and openings

Fields of application
Filling of gaps and cracks or holes in horizontal areas

Properties - Advantages
- Easier and quicker application on horizontal surfaces
- Very good adhesion on concrete, mortars, stone, steel and wood
- Covers difficult-to-reach areas on floors

Packing
Sets (A+B) of 6kg and 1kg

Cementitious Repairing Mortars

Neorep®

CE

Description
High strength, thixotropic, non-shrinking, fiber-reinforced cementitious repairing mortar. Meets the requirements of Class R4 of EN 1504-3

Fields of application
Repairs of damaged, cracked or broken concrete elements (e.g. columns, beams, slabs), cracks and joints on concrete surfaces and industrial floors, visible reinforcements and concrete pipes

TECHNICAL CHARACTERISTICS	
Compressive strength (28 days, EN 12190)	≥45MPa
Adhesion strength (EN 1542)	≥2,0MPa
Modulus of elasticity (EN 13412)	≥20GPa
Resistance to carbonation (EN 13295)	Pass
Reaction to fire (EN 13501)	Class A1
Maximum thickness of application	4cm
Consumption (per mm of thickness)	**1,75kg/m²**

Appearance / Colour
Powder / Grey

Packing
25kg in bags

Neocret®

Description
Cementitious fiber-reinforced repairing mortar of high thixotropy

Fields of application
- For easy and durable repairing jobs on damaged, cracked or broken concrete elements
- As a repairing plaster locally (in a thickness up to 30mm) or in wider areas (in thicknesses up to 15mm)

TECHNICAL CHARACTERISTICS	
Compressive strength (28 days, EN 12190)	≥15MPa
Adhesion strength (EN 1542)	≥1,3MPa
Reaction to fire (EN 13501)	Class A1
Consumption (per mm of thickness)	**1,5-1,8kg/m²**

Appearance / Colour
Powder / White

Packing
25kg and 5kg in bags

Neostop®

Description
Extremely fast-setting mortar for the instant sealing of water-leaking or moist spots, before the application of the succeeding repairing or waterproofing system

Fields of application
Applied locally on walls, ceilings or floors with leaking water presence, in the form of jets, drops or moisture

TECHNICAL CHARACTERISTICS	
Compressive strength (28 days, EN 196-1)	32MPa
Flexural strength (28 days, EN 196-1)	6,5MPa
Efficiency in volume of hardened paste	1,5kg/L

Appearance / Colour
Powder / Grey

Packing
20kg, 5kg and 1kg in plastic pails

Ferrorep®

CE

Description
Anti-corrosive coating for steel reinforcement of concrete elements

Fields of application
- In concrete repairs, as corrosion protection for steel reinforcement
- Also applicable as a bonding agent between old and new concrete

TECHNICAL CHARACTERISTICS	
Consumption	**• 50-70gr per linear meter of reinforcement element for 2 layers and thickness of 1mm (depending on the rod's diameter)** **• 1,3-1,5kg/m² for bonding old to new concrete**

Appearance / Colour
Powder / Terracotta

Packing
20kg, 4kg and 1kg in plastic pails

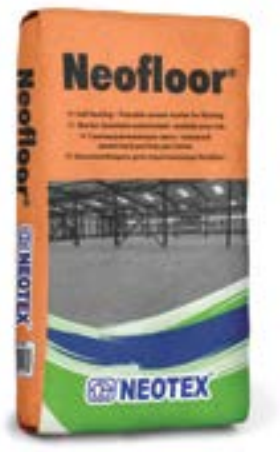
Neofloor®

CE

Description
Pourable, self-leveling cementitious screed, for smoothing or repairing imperfections on floors, before the application of laminate parquets, tiles, epoxy coatings etc.

Fields of application
- For smoothing and leveling of the substrate in indoor areas, before the placement of ceramic tiles, natural stone, plastic or wooden floors, carpet, epoxy coatings etc.
- Applied also as a final coating in low traffic floors located in auxiliary areas, such as home storage rooms, attics, etc.

TECHNICAL CHARACTERISTICS	
Compressive strength (28 days, EN 13892-2)	≥50MPa
Flexural strength (28 days, EN 13892-2)	≥10MPa
Consumption (per mm of thickness)	**1,7kg/m²**

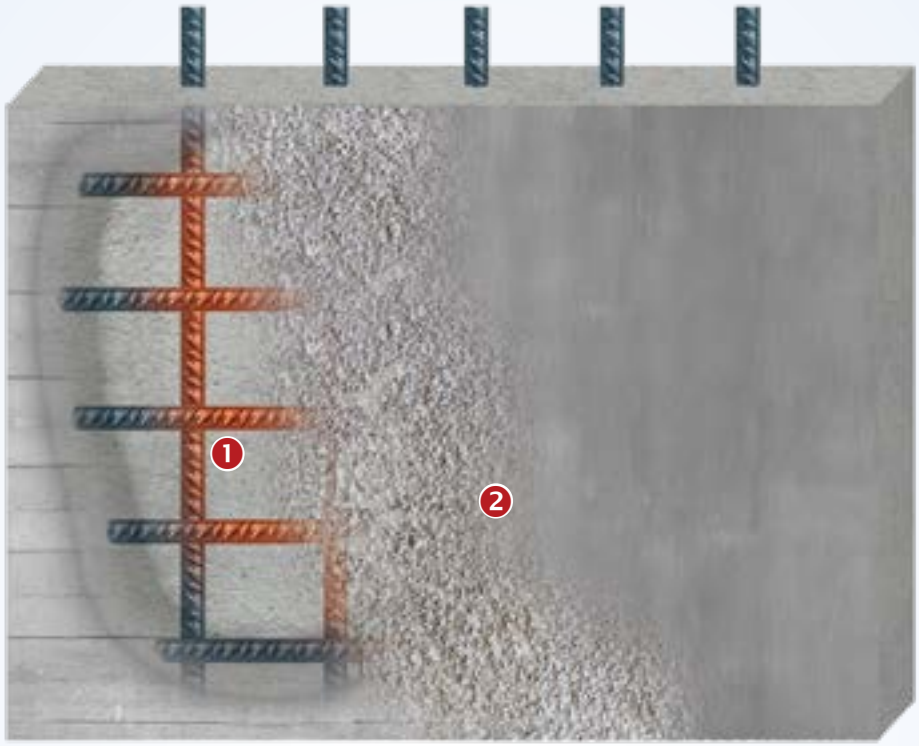


Appearance / Colour
Powder / Grey

Packing
25kg in bags

Indicative Build-up of Ferrorep® - Neorep® System

Repairing of Concrete Elements



1. Protection of steel reinforcement against corrosion: **Ferrorep®**
   *Indicative Consumption of **Ferrorep®**: 50-70gr per lin. m. of reinforcement for 2 layers and thickness of 1mm (depending on the rod's diameter)*

2. Repairing of the concrete element: **Neorep®**
   *Indicative Consumption of **Neorep®**: 1,75kg/m² per mm of thickness*
   *Maximum thickness of **Neorep®** per layer: 4cm*

Notes

a) Prior to the application of **Ferrorep®**, it is advisable to locally apply the special water-based rust converter **Neodur® Metalforce** on any existing rusty parts
*Indicative Consumption of **Neodur® Metalforce**: 50ml/m²*

b) Prior to the application of **Neorep®** and for enhancing its adhesion on the concrete element, **Ferrorep®** may also be applied as a bonding agent on the whole surface which is to be covered
*Indicative Consumption of **Ferrorep®**: 1,3-1,5kg/m²*

Elastomeric Sealants

Neotex® PU Joint

CE

Description
One-component, polyurethane elastomeric sealant, for various construction surfaces e.g. concrete, glass, anodized aluminium, wood, etc.

Fields of application
Suitable for sealing joints and openings in any building surface in traditional masonry, civil and industrial applications, light and heavy prefabrications, interior decoration etc.

TECHNICAL CHARACTERISTICS	
Hardness Shore A (DIN 53505)	30±5
Elongation at break (ISO 8339)	≥450%
Coverage (per 600ml sausage)	**6 lin.m. for joints 1x1cm**

Appearance / Colours
Viscous paste / Grey, white

Packing
600ml in sausage, 310ml in cartridge

Jointex®

Description
Elastomeric mastic based on acrylic resins, for interior and exterior use. Remains elastic in a wide range of temperatures and it is UV-stable

Fields of application
Suitable for sealing joints and openings in various construction surfaces

TECHNICAL CHARACTERISTICS	
Hardness Shore A (ASTM D2240)	20±3
Elongation at break (ASTM D412)	250%
Consumption	**app. 150gr/lin.m. for joints 1x1cm**

Version: Jointex® Nordic

Elastomeric acrylic mastic in terracotta shade, for sealing applications on roof tiles, etc.

Appearance / Colours
Homogeneous paste / White

Packing
15kg, 5kg and 1kg in plastic pails

Silimper® Inject

Description
Water-repellent injection cream, based on silane and siloxane resins, ideal for protection against rising moisture in walls

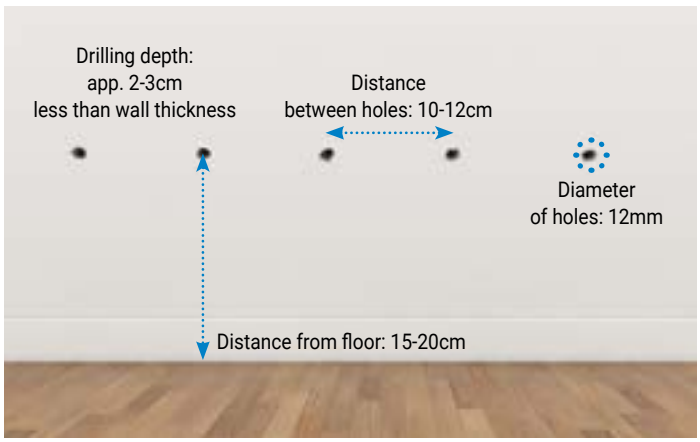
Fields of application
Repels water and prevents the expansion of moisture in most types of walls, made out of materials such as bricks, concrete, plaster, limestone, mortars, natural stone

Properties - Advantages
- When injected into holes drilled into the walls, it spreads in depth, forming a seamless water-repellent barrier
- Protects walls and facades against rising moisture and prevents future ones
- Exceptional ability of penetration in depth
- Leaves no film on the surface
- Alkali resistant
- One-component & ready to use
- Easy application – no special equipment needed

TECHNICAL CHARACTERISTICS	
Coverage (per 600ml sausage)	**~5 lin.m. of drill holes with 12mm diameter**

Appearance
Milky white, pasteous

Packing
600ml in sausage



Liquid Adhesion Promoters & Primers

Neobond® Primer

Description
Strong bonding quartz sand primer, with medium and coarse quartz sand, for adhesion improvement of cement mortars on smooth substrates

Fields of application
- On smooth surfaces, such as concrete, cement boards, gypsum boards, polystyrene sheets, for enhancing the adhesion of succeeding cementitious mortars, plasters, tile adhesives etc.
- Also applicable over painted surfaces (with emulsion paints), as an adhesion bridge

Properties - Advantages
- Remarkable adhesion on smooth substrates
- May be overcoated with cement mortars even after several days have passed from its application
- Alkali resistant
- Suitable for interior and exterior use

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	3 hours
Dry to overcoat (+25°C)	24 hours
Consumption	**330-400gr/m² in one layer**

Colour
Light green

Packing
15kg and 5kg in plastic pails

N-Thermon® Primer

Description
Strong bonding quartz sand primer, with fine and medium quartz sand, for adhesion improvement of cement mortars on smooth substrates

Fields of application
- On smooth surfaces, such as concrete, cement boards, gypsum boards, polystyrene sheets, for enhancing the adhesion of succeeding cementitious mortars, plasters, tile adhesives etc.
- As part of the **N-Thermon® System**, acting as a bridge of adhesion between **N-Thermon®** boards and **Deplast®**

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	3 hours
Dry to overcoat (+25°C)	24 hours
Consumption	**330-400gr/m² in one layer**

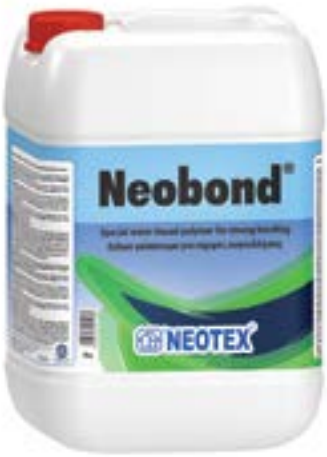
Colour
Light red

Packing
15kg, 5kg and 1kg in plastic pails

Neobond®

Description
Special water-based acrylic polymer, suitable for strong bonding

Fields of application
- Bonding new to old concrete
- Bonding of tile adhesives, cement mortars or the self-levelling cementitious screed **Neofloor®** to various construction surfaces
- Suitable as a primer and adhesion promoter of cement mortars and plasters to old cement-based substrates



TECHNICAL CHARACTERISTICS	
Solid content (ISO 1625, DIN 53189)	58 ± 1%
pH (ISO 1148, DIN 53785)	4,5
Consumption	**500-700gr/m² per layer**

Packing
5kg and 1kg in plastic pails

Neotex® PU Primer

Description
One-component, polyurethane fast-drying adhesion primer for construction surfaces

Fields of application
- Adhesion improvement of elastomeric sealants, such as **Neotex® PU Joint**
- Stabilization of old concrete surfaces, preventing dust generation

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Adhesion strength (EN 13892-8)	>2,5N/mm²
Dry to recoat (+25°C)	4 hours
Consumption	**150-200ml/m² per layer on concrete surfaces (depending also on absorptivity)** **125-140ml/m² per layer on metallic surfaces**

Appearance (cured)
Glossy

Packing
1L and 0,4L in metal cans

SPECIALIZED PRODUCTS

SPECIALIZED PRODUCTS

Neopox® Pool

CE

Description
Two-component solvent-based epoxy coating with UV filters, suitable for swimming pools

Fields of application
- Exterior & interior swimming pools, fountains, water tanks
- Metallic surfaces

Properties - Advantages
- UV filters incorporated → Increased resistance to chalking
- Highly resistant to the chlorination chemicals
- Excellent protection against fresh water, sea water, alkalis, dilute acids

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	75:25
Gloss (60°)	99
Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)	57mg
Adhesion strength (EN 13892-8)	≥2,5N/mm^2
Skid resistance (EN 13036-4, wet surface, with 2,5% w/w addition of Neotex® Antiskid M)	35 (PTV scale)
Resistance to temperatures (dry loading, periodically)	-50°C min / +140°C max
Consumption	**250-330gr/m^2 for two layers (depending on substrate)**

Appearance (cured)
Glossy

Colours
9003 | 1013 | 1533 | 2930

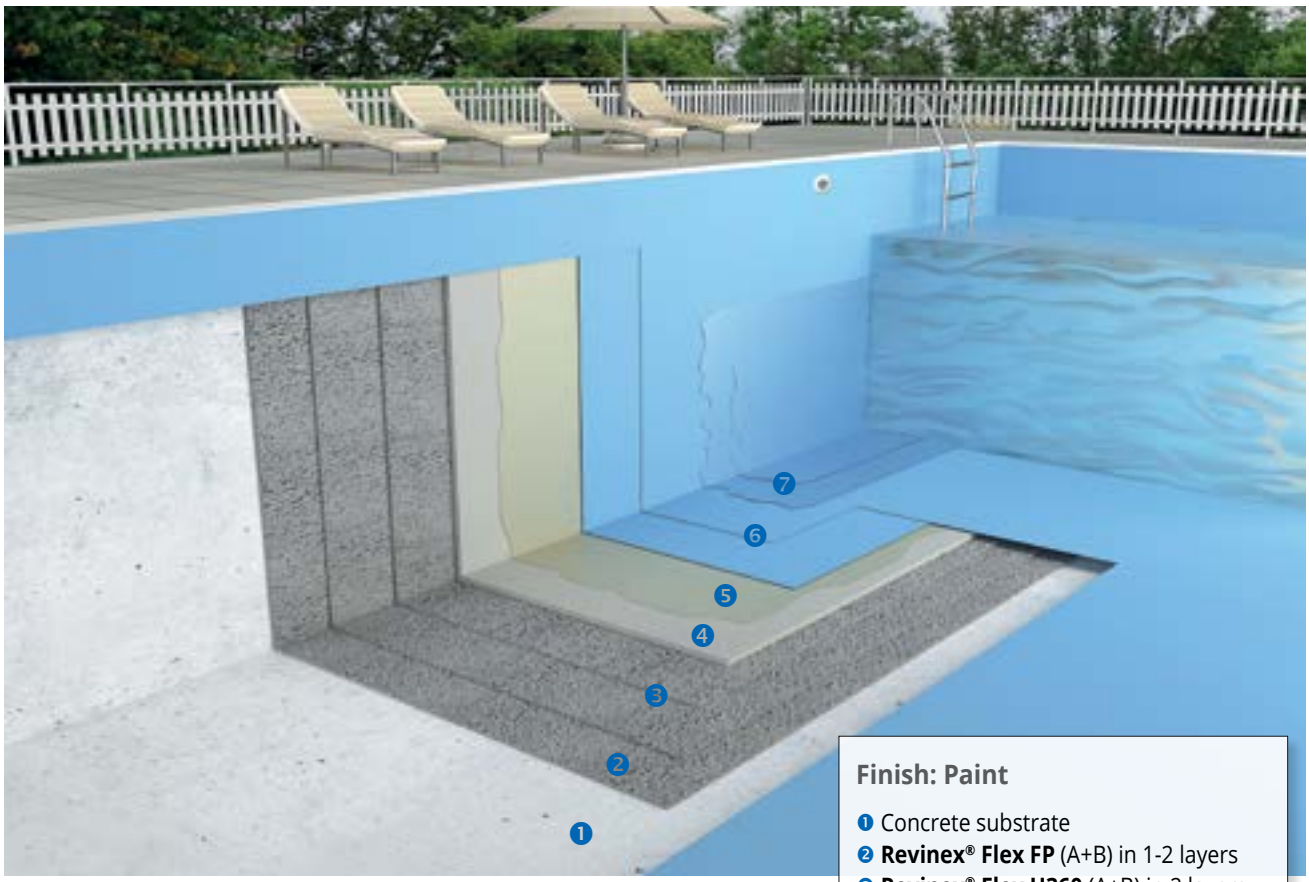
Tailor-made shades available, upon special arrangement

Packing
Sets (A+B) of 10kg, 5kg and 1kg

Palm Beach Hotel, Hammamet Nord, Tunisia

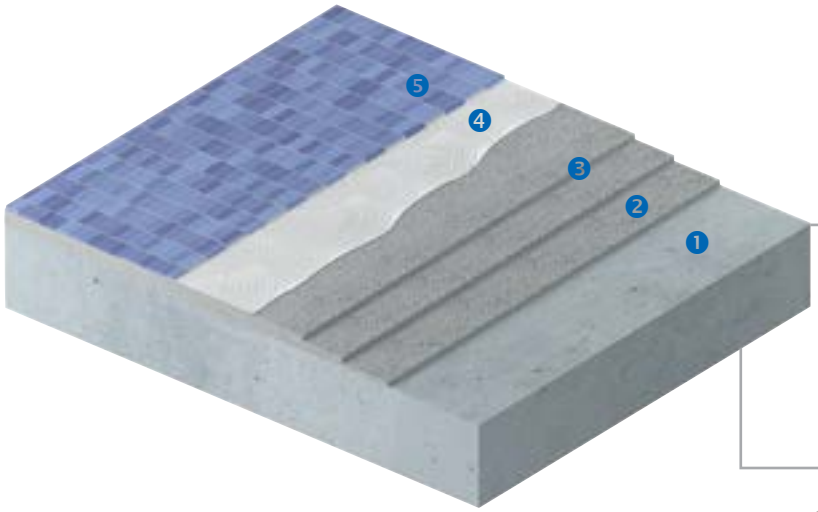
Indicative applications of **Neopox® Pool**

Indicative Build-Up of NEOTEX® Pool Systems



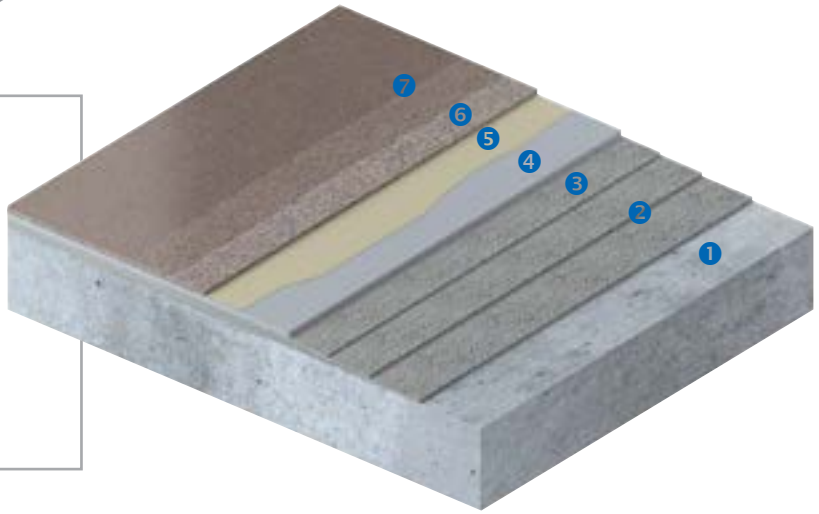
Finish: Paint

1. Concrete substrate
2. **Revinex® Flex FP** (A+B) in 1-2 layers
3. **Revinex® Flex U360** (A+B) in 2 layers
4. Cement screed/plaster (+ **Revinex®**)
5. **Epoxol® Primer** (or alternative **NEOTEX®** epoxy primer)
6. **Neopox® Pool** (min. 2 layers)
7. **Neodur® Varnish** (min. 2 layers)



Finish: Tiles

1. Concrete substrate
2. **Revinex® Flex FP** (A+B) in 1-2 layers
3. **Revinex® Flex U360** (A+B) in 2 layers
4. Elastic tile adhesive
5. Tiles



Finish: Stone carpet

1. Concrete substrate
2. **Neopress® Crystal** in 2 layers
3. **Neopress® Crystal** + **Revinex®** in min. 1 layer
4. Cement screed/plaster (+ **Revinex®**)
5. **Acqua Primer** (or alternative **NEOTEX®** epoxy primer)
6. Stone carpet with **Epoxol® 2874** + quartz
7. **Neodur® Varnish** (min. 2 layers)

Neopox® CR

CE

Description

Two-component solvent-free epoxy system, suitable for applications which require very high chemical resistance

Fields of application

- Tanks (internally) and surfaces in direct contact with chemicals (acids, bases, petrochemicals)
- Shafts, sewage tanks, water treatment facilities

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Mixing ratio A:B (by weight)	75:25
Adhesion strength (EN 1542)	≥2,5N/mm²
Drying time (+25°C)	7 hours
Dry to recoat (+25°C)	24 hours
Consumption	**330-400gr/m² per layer (depending on substrate)**

Colour

Grey

Packing

Sets (A+B) of 10kg

Indicative Chemical Resistance Table			
Neopox® CR in short-term contact with various chemicals			
Substances	1 hour (+20°C)	5 hours (+20°C)	24 hours (+20°C)
Hydrochloric Acid (10%)	B	B	C
Nitric Acid (10%)	A	B	C
Sodium Hydroxide (10%)	A	A	A
Formaldehyde (10%)	A	B	B
Ammonia (10%)	A	A	B
Chlorine (5%)	A	A	A
Diesel (10%)	A	A	A
Gasoline	A	A	A
Xylene	A	A	A
M.E.K	A	A	B
Alcohol 95°	A	A	A
Salt water	A	A	A
Engine oil	A	A	A
Red wine	A	A	A

Ratings of resistance

A: Excellent resistance
B: Good resistance (light discoloration)
C: Poor resistance (intense discoloration)

Neopox® Primer 815

Description
Two-component solvent-based epoxy anti-corrosive primer, suitable for the protection of metallic surfaces

Fields of application
Metallic structures, tanks, pipes, fences, etc.

Properties - Advantages
- Long-lasting anti-corrosive protection
- Highly durable and resistant to adverse weather conditions
- Excellent protection against fresh water, sea water, alkalis, dilute acids, industrial atmosphere, petroleum derivatives

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	100:20
Consumption	**150-180gr/m² per layer**

Appearance (cured)
Glossy

Colours
Grey
Available in terracotta upon request

Packing
Sets (A+B) of 12kg, 6kg and 1,2kg

Neopox® Special Primer 1225

Description
Two-component solvent-based epoxy anti-corrosive primer, suitable for the protection of metallic surfaces

Fields of application
Metallic structures, tanks, pipes, fences, etc.

TECHNICAL CHARACTERISTICS	
Mixing ratio A:B (by weight)	80:20
Consumption	**140-170gr/m² per layer**

Appearance (cured)
Glossy

Colours
Terracotta
Available in grey upon request

Packing
Sets (A+B) of 10kg, 5kg and 1kg

Neodur® Metalforce

Description
One-component, water-based rust converter

Fields of application
Rusty metal surfaces in industrial applications, shipbuilding repairs, etc.

Properties - Advantages
- Reacts chemically with rust, converting it into healthy metal
- Stabilizes the surface and forms a durable protective layer that prevents new rust from developing
- Excellent adhesion on iron, cast iron and steel

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	3 hours
Dry to recoat (+25°C)	24 hours
Consumption	**50ml/m² in one layer**

Appearance (cured)
Transparent on pure iron, black on oxidized surfaces

Packing
1L and 250ml in plastic bottles

Betofix® Waterstop

Description
Durable solvent-based coating with resistance to negative water pressure for the protection of moist surfaces

Fields of application
Concrete surfaces in basements, walls and air-conditioned rooms with high and constant humidity levels

TECHNICAL CHARACTERISTICS - CURING DETAILS	
Drying time (+25°C)	4-5 hours
Dry to recoat (+25°C)	24 hours
Consumption	**500gr/m² for two layers**

Colours
White

Packing
5kg and 1kg in metal cans

St. John's
International Airport,
Canada

Super Markets
Biedronka
warehouses,
Wroclaw, Poland

Renault Showroom,
Marseille, France

Palm Be
Hamma
Tunisia

Hotel des Roches,
Cayenne,
French Guyanne

Ostankino TV Tower,
Moscow, Russia

Vinhomes Gardenia,
Hanoi, Vietnam

Ibn Hayyan
Pharmaceuticals,
Homs, Syria

ach Hotel,
met Nord,

City of Dreams Casino,
Manila, Philippines

RSKIA Hospital,
Bandung, Indonesia

Antananarivo Airport,
Madagascar

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Waterproofing Systems | Resinous Flooring | Insulation & Energy Saving | Repairing Materials | Specialized Products

Your confidence.....
Is not a coincidence!

NEOTEX®

PhotoGraphics.gr

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NEOTEX® S.A.

ATHENS: V. Moira str., P.O. Box 2315, 19600 Industrial Area Mandra Attikis, Greece ☎ +30 210 5557579 🖷 +30 210 5558482
THESSALONIKI: Ionias Str., 57009 Kalochori, Thessaloniki, Greece ☎ +30 2310 467275 🖷 +30 2310 463442
www.neotex.gr • e-mail: export@neotex.gr