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Neolastik[®] 1K

Elastic fiber reinforced cementitious waterproofing material

Fields of Application

One component elastic cementitious material suitable for:

- waterproofing applications with high elasticity on terraces, balconies under tiles and exposed surfaces, such as flat roofs, exterior walls etc
- Underground surfaces of buildings, interior or exterior.

Properties/ Advantages

- Offers high elasticity, impermeability and protection to every vertical or horizontal construction surface, that is subjected to vibrations, contractions – expansions or chemical substances.
- Remarkable adhesion on numerous substrates, like concrete, cement slurries, bricks, metals, gypsum boards, polysterene, mosaic and ceramic.
- Prevents metallic reinforcements corrosion, while enhances adhesion of cement on to the reinforcement.
- Resistant at low temperatures and snow/frost melting
- Water vapor-permeable, protects from concrete carbonization
- Resistant to hydrostatic pressure
- Economic and easy to apply, even from un-trained personnel
- Bridges cracks, pores and thin joints
- Protects from underground radon and chloride migration
- Environmentally friendly
- Certified with CE (EN 1504-2)

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX[®] SA .It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX[®] SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

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Technical characteristics

Colour	Grey
Consumption	2-2,5kg/m ² for 2 layers
Bonding strength (EN 1542)	>1,5 N/mm ²
Water vapor permeability V (EN 7783-1:1999)	2,1g/m ² d ⁻¹
Determination of water permeability (EN 1062-3: 2008)	5.57E-02 kg/m ² h ^{0,5}
CO2 permeability (EN 1062-6: 2002) S _D CO ₂ (m):	58
Maximum application thickness per layer	1mm
Maximum application thickness of final application	3mm
Mixing ratio	5-6 lt water per 20Kg of Neolastik 1K
Working time/Pot life (+25°C)	45 minutes
Temperature of application	+5°C to +35°C
Drying time (+25°C)	6 hours

These times are prolonged by low temperatures and moisture, while shortened by higher ones.

Instructions for use

Surface preparation:

Surfaces must be dry, clean from dust, dirt, greasy substances and homogeneous. Cavities or other imperfections must be repaired with **Neorep®** and **Revinex®**.

Mixture preparation:

Add gradually component A (powder) into the water and mix using a low speed mechanical mixer, until a perfectly homogenous mix is obtained.

Application:

Apply the mixture by brush, roller, preferably in at least 2 layers of 1 mm thickness each, or spatula with 2 mm thickness of each layer. The mixing ratio for application by brush is 6lt water for 20kg **Neolastik®1K**. For application by trowel the ratio is 5lt water for 20kg powder. For thicker coatings and resistance to tearing use fiberglass mesh **Gavazzi® 0059-A** between the 2

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coatings, while the first is still wet.

Notes

- Never apply when rain is forecasted.
 - Allow **Neolastik[®] 1K** to dry between 5 and 8 days, before applying tiles or other coatings.
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Packing

20kg carton bags

Storage stability

2 years, sealed in its original packing, protected from frost and direct exposure to sun, between +5 °C and +35°C.

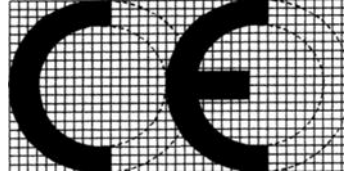
Cleaning of tools

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

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Neolastik® 1K



1922

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1922-CPR-0386
DoP No. Neolastik 1K

EN 1504-2

Neolastik 1K

Surface protection system for concrete

Coating

Water vapour permeability	:	Class II
Capillary absorption and permeability to water	:	$W < 0,1 \text{ kg/m}^2 \text{ h}^{0,5}$
Adhesion strength	:	$\geq 1,5 \text{ N/mm}^2$
Permeability to CO ₂	:	$s_D > 50 \text{ m}$
Reaction to fire	:	Euroclass F
Dangerous substances	:	comply with 5.3