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## Neocryl® Special

### One-component, water-based floor coating for exterior use

**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
- Very good resistance to adverse weather conditions
- Excellent adhesion on asphalt, concrete, cement screeds
- Acts as an anti-dust layer
- Eco-friendly & user-friendly (water-based, one-component)

#### Technical characteristics

<b>Density (EN ISO 2811-1)</b>	1,30kg/L (±0,05)
<b>Gloss (60°)</b>	5-6
<b>Abrasion resistance (Taber Test, CS 10/1000/1000, ASTM D4060)</b>	190mg
<b>Adhesion strength (EN 1542)</b>	≥2,5N/mm <sup>2</sup>
<b>Capillary absorption (EN 1062-3)</b>	<0,1kg/m <sup>2</sup> h <sup>0,5</sup>
<b>Permeability to CO<sub>2</sub> (EN 1062-6)</b>	S <sub>D</sub> >50m
<b>Water vapour permeability (EN ISO 7783)</b>	S <sub>d</sub> = 16,6m (Class II)
<b>Flexibility (ASTM D522, 180° bend, 1/8" mandrel)</b>	Pass
<b>Skid resistance (EN 13036-4, wet surface)</b>	41 (PTV scale)
<b>Consumption</b>	250-330gr/m <sup>2</sup> for two layers (depending on substrate)

V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AjWB "One-pack performance coatings": 140g/l (Limit 1.1.2010). V.O.C. content of the ready to use product <15g/l.

#### Curing details

<b>Drying time (RH 50%)</b>	<b>+25°C</b>	1 hour
<b>Dry to recoat - Walkability (RH 50%)</b>	<b>+12°C</b>	8 hours

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Dry to recoat - Walkability (RH 50%)	+25°C	4 hours
Total hardening		~5-6 days

### Instruction for use

**Surface preparation:** The surface must be stable, clean, dry (or slightly damp, without ponding water), protected from rising moisture and free from dust, oil, grease and loose materials. Even on new concrete surfaces, proper mechanical preparation of the substrate (grinding, shotblasting etc.) is essential. Any needed repairs should be executed by suitable repairing materials.

**Priming:** In the case of absorptive dry substrates, before applying **Neocryl® Special**, it is recommended to apply 1 coating of **Revinex®** diluted with water (**Revinex®**: Water-1:4)

**Application:** **Neocryl® Special** is applied after thorough stirring, in at least 2 coatings. Apply it with brush, roller, or airless spray. The first coating is diluted with pure water 20-25% and 10-15% for the second.

### Special notes

- **Application conditions:** Substrate moisture <4% / Relative atmospheric humidity <80% / Atmospheric and substrate temperature: +8°C min. / +35°C max.
- **Neocryl® Special** should not be applied under wet conditions or high humidity
- Low temperatures and high humidity during application prolong the drying time. while high temperatures reduce it.

### Cleaning of tools

Use plenty of water immediately after application.

### Colours

White (RAL 9003), grey (RAL 7037) and tailor-made shades (for a minimum quantity, upon special arrangement).

Also available in D base offering versatility for the creation of the requested shade.

### Packing

12kg, 4kg and 1kg plastic pails

### Storage stability

The product is stable for 2 years when kept unopened in its original container, protected from frost and direct sunlight.

## Neocryl® Special

CE

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Dop No.: 4950-54

**EN 1504-2**

**Neocryl® Special**

Surface protection products

Coating

Water vapour permeability	Class II
Adhesion strength	$\geq 1,5\text{N/mm}^2$
Capillary absorption and permeability to water	$W < 0,1\text{Kg/m}^2\text{h}^{0.5}$
Permeability to CO <sub>2</sub>	$S_D > 50\text{m}$
Reaction to fire	Euroclass F
Dangerous Substances	Comply with 5.3

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.