

## Neodur<sup>®</sup> Varnish W Mat

### Description of the product

**Neodur<sup>®</sup> Varnish W Mat** is two-component, water based, polyurethane transparent varnish, cured with aliphatic polyisocyanates.

### Uses

Recommended as a protective varnish after colored decorative cement slurries, stone, wooden surfaces and cement based floors. It is friendly to the environment and the end-user and is suitable for places where solvent smells are undesirable.

### Properties-Advantages

- High strength
- Strong adhesion
- Excellent hardness
- Long lasting durability against weathering
- Abrasion resistance
- Very good yellowing resistance
- Resistant against UV radiation

### Technical characteristics

<b>Consumption</b>	125gr/m <sup>2</sup> on properly prepared surfaces
<b>Application temperature</b>	+12 °C up to +35°C
<b>Density</b>	1,01 kg/l
<b>Mixing ratio</b>	9A:1B
<b>Gloss (60°)</b>	20GU
<b>Total hardening</b>	7 days at +25°C
<b>Abrasion Resistance</b>	30 mg - Taber Test ASTM D 4060 (CS 10/1000/1000)
<b>Adhesion Strength (EN 13892-8)</b>	≥2, 5 N/mm <sup>2</sup>
<b>Resistance to temperature change</b>	-30°C up to +80°C (Dry loading)
<b>Dry film thickness</b>	40 µm (in one layer)
<b>Skid Resistance ((EN 13036-4:2011) – wet surface +2,5% (by weight)</b>	38 PTV range
<b>Neotex<sup>®</sup> Antiskid M</b>	

### Instruction for use

The surface should be, clean and absolutely dry, free from dust, dirt, greasy and oil substances. Before applying, mix both component A and components B thoroughly for 3 minutes and apply by brush or roller, 5 minutes after mixing. Dilute up to 20-30% with water. When it is applied as a protective varnish for decorative cement screed the surface should be primed before, with the hybrid primer **Neodur<sup>®</sup> Varnish PR**.

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### Pot Life

Temperature	Time
+12°C	1,5 hours
+25°C	1 hour

### Overcoating

Temperature	Time
+12°C	28 hours
+25°C	24 hours

### Walkability

Temperature	Time
+12°C	28 hours
+25°C	24 hours

### Notes

- The product should not be used under humid conditions. Humid conditions are expected to prevail during the curing period of the paint film. The product should not be applied at atmospheric temperatures <12°C, at relative surface humidity >4% and relative atmospheric humidity >65%.
- The surface should be protected from rising moisture attack.
- Allow at least 4 weeks to pass between casting new concrete structures and painting them with the product
- In case of substrates that have been pre-treated with water-repellent impregnation coatings (siloxane-based, etc.), the product should not be applied

### Cleaning of tools

Use water immediately after application.

### Stain removal

Use water when the stain is still fresh and damp. In case of hardened stains, use mechanical means.

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### Packing

Set of 1kg, 3kg, 9kg

### Storage stability

**Neodur<sup>®</sup> Varnish W Mat A** component: 2 years, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.

**Neodur<sup>®</sup> Varnish W Mat B** component: 6 months, stored in its original sealed packing, in an absolutely dry place, protected from frost, humidity and exposure to sunlight.

