

## Neodur®

<b>Description of product</b>	<b>Neodur®</b> is a two component, polyurethane top coat paint, cured with aliphatic polyisocyanates
<b>Fields of application</b>	<b>Neodur®</b> is a finish coat which exhibits high strength, abrasion resistance and durability against petroleum products, sea water and UV radiation. Recommended to use as top coat paint in tanks, petrochemical industry and marine applications. It has strong adhesion, excellent hardness and long lasting durability against weathering. <b>Neodur®</b> (white) is certified as cold material to metallic surfaces.
<b>Properties/Advantages</b>	<ul style="list-style-type: none"> <li>• Resistance to water, sea water, alkalis, UV radiation, industrial atmosphere and adverse weather conditions</li> <li>• Abrasion resistance</li> <li>• Gloss retention</li> <li>• Yellowing resistance</li> </ul>

### Technical Characteristics

<b>Density</b>	1,28 g/cm <sup>3</sup>
<b>Consumption</b>	150gr/m <sup>2</sup> per layer
<b>Gloss 60°</b>	92
<b>Drying time</b>	2-3 hours at 25°C
<b>Pot life (25°C)</b>	1 hour
<b>Dry to recoat</b>	after 12 hours at 25°C
<b>Service temperature</b>	-30°C to +80°C
<b>Total Reflectance (SR%)</b>	88% (300-2500 nm) * (White)
<b>Total Emittance (ε)</b>	0,86 (ASTM E408-71) (White)
<b>Solar Reflectance Index SRI</b>	111 (ASTM E1980-01) (White)
<b>Flexibility</b>	PASS (ASTM D522, 180° bend, 1/8" mandrel)
*(ASTM E903-96), (ASTM G159-98)	

***Low temperatures and high humidity during application prolong drying time***

### Instruction for use

Construction surfaces:

The surface should be rough (not smooth) leveled, clean and dry, free from dust, dirt, greasy and oil substances. Apply firstly one coat **Epoxol® Primer** diluted 10-15 % with solvent **Neotex 1021**. Before applying, mix both component A and component B thoroughly and



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apply the primer within 4 hours by brush or roller. After 18-24 hours, apply **Neodur®** diluted 10 % with solvent **Neotex 1021** (if a third coat is required, dilute 10 %).

Metallic surfaces:

Clean the surface from rust by sandblasting or with the use of a wire brush. Afterwards apply one coat of **Neopox® Special Primer 1225** (mixing ratio 80A:20B) diluted 5-10 % with solvent **Neotex 1021** to protect against rust. Before applying the primer, mix both component A and component B of **Neopox® Special Primer 1225** thoroughly and apply within 4 hours by brush, roller or spray gun. Then apply two coats of **Neodur®** diluted 10% with solvent **Neotex 1021**, allowing to dry for 12 hours between coats.

### Notes

- The surface should be dry during paint application
- 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 temperatures <12°C, at 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
- Over coating a freshly painted surface must take place within 3 days, otherwise it is suggested to scrub lightly the freshly painted layer to avoid possible adhesion problems.

### Packing

Sets of 1kg, 5kg (components A&B have fixed weight proportion)

### Colors

White (Ral 9003), Beige (RAL 9010), Grey (Ral 7040), Red (Ral 3009), Black (Ral 9005), Dark Blue (RAL 5013), Blue (RAL 5015), Green (RAL 6009)

### Cleaning of tools

Use solvent **Neotex 1021** immediately after application.

### Stain Removal

Use solvent **Neotex 1021** when the stain is still fresh and damp. In case of hardened stains, use mechanical means.

### Storage Stability

Component A 24 months kept in the unopened, original container.  
Component B 12 months kept in the unopened, original container.

### Auxiliary Materials

**Epoxol® Primer:** Set 5kg, 10kg  
**Neopox® Special Primer 1225:** Set 1kg, 5kg

## Neodur<sup>®</sup>

**Solvent Neotex 1021:** Tin cans 1kg, 5kg, 20kg



The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX<sup>®</sup> SA. It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX<sup>®</sup> 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.