

# TEKNODUR 9202-10

## 2C-polyurethane topcoat

TEKNODUR 9202-10 is a high-quality, versatile polyurethane topcoat. The hardener is an aliphatic isocyanate resin.

TEKNODUR 9202-10 is a semi-gloss, two-component topcoat with very good adhesion to surfaces primed with TEKNODUR PRIMER 3420, TEKNODUR PRIMER 3420-01 or TEKNODUR PRIMER 3422, as well as to steel, zinc and aluminum surfaces. It is characterized by excellent corrosion resistance, high-quality finish and good weather resistance.



### TECHNICAL DATA

Fields of application	Machinery, Steel constructions, Transportation equipment								
Recommended substrate	Aluminium, Steel, Zinc								
Binder	Polyurethane								
Solids	Approx. 42% by volume Approx. 53% by weight								
Volatile organic compound (VOC)	Approx. 520 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.								
Theoretical spreading rate	<table><tr><th>Dry film (µm)</th><th>Wet film (µm)</th><th>Theoretical spreading rate (m²/l)</th></tr><tr><td>40</td><td>100</td><td>10.5</td></tr></table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)	40	100	10.5	<p>As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.</p>	
Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)							
40	100	10.5							
Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.								
Colours	By agreement.								
Gloss (60°)	Semi-gloss								
Hardener	Comp. B: TEKNODUR HARDENER 7500 or TEKNODUR HARDENER 7255-10								
Mixing ratio (A:B)	10:1 parts by volume								
Pot life, +23 °C	4 h								
Thinner	TEKNOSOLV 6740								
Density	Approx. 1.09 g/ml								

**Storage**

The storage stability is shown on the label. Store in a cool place and in tightly closed containers. The hardener reacts with air humidity and therefore the opened can is to be kept carefully closed, and it is recommended to be used within 14 d of opening.

**DIRECTION FOR USE****Surface preparation**

Remove from the surfaces any contaminants that might be detrimental to surface preparation and application. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:

**STEEL SURFACES:** Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

**OLD PAINTED SURFACES SUITABLE FOR OVERCOATING:** Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well.

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

**Priming**

Suitable primers are, e.g. TEKNODUR PRIMER 3420, TEKNODUR PRIMER 3420-01 or TEKNODUR PRIMER 3422.

**Application method**

Conventional spraying

**Application**

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before application the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

Stir thoroughly before use.

If needed, the paint can be diluted with TEKNOSOLV 6740 (5-10%).

**Application conditions**

The surface to be treated must be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5°C and the relative air humidity below 80%. Additionally, the temperature of the surface to be treated and the product must be at least +3°C above the dew point of the ambient air. During application good ventilation is recommended.

<b>Drying time</b>	+23 °C / 50% RH (dry film 40 µm)
<b>- dust free</b>	TEKNODUR HARDENER 7500 / TEKNODUR HARDENER 7255-10 30 min / 18 min
<b>- touch dry</b>	TEKNODUR HARDENER 7500 / TEKNODUR HARDENER 7255-10 8 h / 4 h
<b>- forced drying</b>	30 min at 60 °C
<b>Cleaning</b>	TEKNOSOLV 6740

## HEALTH AND SAFETY

### Safety and precaution measures

See safety data sheet.

The hardener of the product and the ready mixture contain isocyanates. In poorly ventilated areas and especially when using spray application we recommend the use of a fresh air mask. In short or temporary work, a mask with combined filter A2-P2 can be used. In this case eyes and face are to be protected.

The hardener can must be opened with caution, as pressure may develop in the can during storage.

**Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091**

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