

TEKNODUR STRUCTURE 3912

Industrial Coatings

- ▶▶ **Article Number:** 3912
- ▶▶ **Reference colour shade:** RAL 7035, light grey
- ▶▶ **Colour range :** According to RAL register
Special colours on request

Automotive Coatings

- ▶ **High Solid**

Protective Coatings

- ▶ Highly abrasion-resistant
- ▶ Cost-effective due to efficiency

Decorative Coatings

- ▶ Very good chemical resistance
- ▶ Very good adhesion values

Product description:

High quality two component structured coating based on acryl polyurethane with excellent mechanical characteristics, containing solvents.

Field of Application:

Suitable for coating systems with a high demand regarding chemical resistance, hardness, abrasion resistance and durability.

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Hardener:

TEKNODUR HARDENER 5962

(Basis: aliphatic isocyanate)

Thinner:

TEKNOSOLV 6741

Also for cleaning the working tools.

Technical data:

Flash point:	above +23°C
Viscosity - original packaging:	thixotropic
Viscosity - for application:	thixotropic
Density (2C-mat. mixed):	approx. 1.3 – 1.35 g/ml
Mixing ratio:	9 : 1 by weight 6,6 : 1 by volume
Pot life:	approx. 6 hours (at room temperature)
Dry film thickness:	approx. 50 µm
Gloss level (60°):	approx. 40 - 70%
Theoretical coverage:	approx. 8.2 m²/kg at 50 µm DFT approx. 5.1 m²/kg at 80 µm DFT
Solids content at volume:	approx. 55 % (380 ml/kg)
Solids content at weight:	approx. 72 % (mixture)
Organic solvents content:	approx. 28 % (mixture)
VOC – Level:	approx. 388 g/l
Temperature stability:	max. +140°C dry heat

Drying time:

dust dry:	after approx. 20	minutes
touch dry:	after approx. 1	hour
re-coatable:	after approx. 24	hours (spraying or brushing)

The typical chemical resistance of PUR-systems is only achieved after total hardening (after approx. 7 days at 20°C).

The indicated technical data varies depending on the color shade and the application procedure.

Processing temperatures / humidity:

+15°C to +35°C / max. 85 %

The substrate temperature must be at least 3°C above the dew point of the ambient air. The relative humidity should not be more than 85 %

For more information, please contact:

Teknos Deutschland GmbH • Brachter Strasse 92 • 41379 Brüggen • Deutschland
Telefon: 0049 (0) 2163 95 0 97– 0 • Telefax: 0049 (0) 2163 5250 • E-Mail: info@teknos.de

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Priming coats:

TEKNOPOX PRIMER 1913	(outdoor area)
TEKNOPOX PRIMER 1929	(outdoor area)
TEKNODUR PRIMER 1923	(outdoor area)
TEKNODUR PRIMER 1954	(outdoor area)

Surface preparation:

The surface has to be clean, free from oil, grease, dust, etc. and depending on the load it has to be roughened. The primer has to be chosen accordingly.

Application data:

High pressure-spraying:

Processing ready-to use, in delivery form.
Air pressure: 3.0 – 5.0 bar
Nozzle: 2.5 – 3.5 mm

Airless-spraying:

Processing ready-to use, in delivery form.
Minimum pressure: 90 bar
Nozzle: 0.28 – 0.33 mm

Storing and marking in terms of dangerousness directive:

Basic paint:	inflammable
Hardener:	inflammable

For other marking according to the current Ordinance on Hazardous Substances please see the accompanying safety data sheets and labels.

Storage:

Basecoat: 12 months when stored correctly at temperatures from +5°C to +25°C in unopened drums.

Hardener: 6 months when stored correctly at temperatures from +5°C to +25°C in unopened drums.

Please protect from heat and freeze!

Safety and protection measures:

At processing please respect the field given regulations for safety and health measures BGR 500, chapter 2.29 as well as the actual safety directives. When liquid the contents must not be let out into waste waters.

Data and recommendations are appropriate for up to date state of product and are made for information of our buyers. This does not free the buyer of testing the products on appropriation and application of the products. We guarantee for spotless quality in the frame of our common conditions of business. Herewith all previous technical data ceases to be valid.

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