

HEGSEL Coat 192

2-C UV-resistant Polyurethane Topcoat

Description:

HEGSEL Coat 192 is a two-component polyurethane-based topcoat with long-term UV resistance and high weatherability. Due to the highly crosslinked polyurethane structure, **HEGSEL Coat 192** features excellent physical properties and exceptional color stability.

Characteristics:

- Excellent UV-stability
- High weather resistance
- Fast curing
- Single coat application
- Temperature resistance up to 120°C (dry heat)
(at temperatures above 100 °C light and bright colors may become yellow)
- ISO 12944-2 / classification Im 1-3 & C5

Application:

External coating for: Pipelines, steel structures, tanks, railway, bridges, automotive, on and offshore facilities, and any substrates exposed to environmental stresses.

Technical data:

Colour	On request!
Finish	Silk gloss
Mixing ratio	3.6: 1 by weight / 3.03: 1 by volume
Density	Approx. 1.25 g/cm ³ (dependent on color)
Solids content	Approx. 57%
Flash pint	> 25 °C
Chemical resistance	According to 12944-2 C5-M
UV Protection	Excellent

Details for application:

Pot life	3 hours at 20 °C / 2.5 hours at 25 °C / 2 hours at 30 °C / 1 hours at 40 °C material temperature *Waiting time under continuous pressure may reduce pot life!
Material spray temperature	Minimum 20 °C recommended
Recommended Dry Film Thickness (DFT)	Contact HEGSEL!
Number of coats	One coat *with light colors a second layer may be needed.(wet-on-wet)
Minimum coating thickness	40 µm DFT
Sagging limit	120µm DFT at 20 °C material temperature
Mixing time	Part A: Stirrup intensively by mechanical means Part A+B: Mix up homogeneous. Mixer speed >100 rpm
Theoretical consumption	Approx.0.08 kg/m ² @40 microns DFT / 70 microns WFT 0.26 kg/m ² @120 microns DFT/ 210 microns WFT
Substrate temperature	Minimum +10°C and minimum +3°C above dew point
Relative humidity of air	Maximum 85 %
Dust dry at 20°C / 25°C / 30°C / 40°C	1 hour / 1 hour / 0.75 hour / 0.5 hour
Tack free at 20°C / 25°C / 30°C / 40°C	8 hours / 7 hours / 5 hours / 4 hours
Recoat Airless spraying (wet on wet) at 20°C / 25°C / 30°C / 40°C	Minimum: 48 hours / 48 hours / 36 hours / 24 hours
Fully cured at 20°C / 25°C / 30°C / 40°C	96 hours / 72 hours / 48 hours / 24 hours
**All above values are approximate and may be used as a guideline for specifications.	

Packing:

11.5 kg kits

Storage:

12 months, unopened in original drums under dry and cool conditions below 25°C provided with adequate ventilation. Please protect against heat and freeze!

1. Surface preparation

The surface should be dry, clean, load-bearing and free from separating substances such as fats, oils and salts. Within the re-coating interval the topcoat can be applied directly on the primer/coating. If the re-coat time is exceeded, the primed surface has to be grinded or swept to achieve best possible adhesion of the topcoat. Depending on the type of preparation and the resulting surface roughness the consumption of material may vary.

Abrasive Blast Cleaning

Not required. Topcoat is applied on primed or coated surface.

Concrete Substrates

This product is not suitable for concrete.

2. Application method

Airless spraying

All spray methods are applicable.

Brush / Roller

Using brush/roller is only recommended for repair applications.

Note: HEGGEL Coat 192 Thinner is recommended.

3. Health and safety

Observe the precautionary notices on the container label, and read the Material Safety Data Sheet before use. The product is intended for use by properly qualified professional applicators in industrial conditions. The product is flammable and should be kept away from sparks, open flames, and other sources of ignition. Smoking is prohibited in the application area. Wear suitable respiratory equipment and apply in well ventilated areas. Avoid contact with skin and eyes.

HEGGEL Coat 192; 0.00/25.03.2021. All information contained herein is based on the current state of our knowledge and practical experience at the time of release. Therefore, please make sure that this is the actual edition of the Technical Data Sheet. All data are only intended as a guideline for informational purposes and do not constitute a legally-binding warranty of the suitability for a certain purpose of use, due to its dependence on site conditions and possible processing, use and applications. All information contained in this technical datasheet is subject to change without notice.

HEGGEL GmbH

Huttropstr. 60
45138 Essen
Germany
Tel: +49 201 17003 270
Fax: +49 201 17003 277
E-Mail: info@heggel.de
Web: www.heggel.de