

# HEGSEL® Coat 192

UV-Resistant Polyurethane Topcoat

*You Build, We Protect!*

**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 colour 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

**Applications:**

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

**Application Data:**

<b>Mixing Ratio (Parts by Weight)</b>	A : B = 3.6 : 1			
<b>Mixing Ratio (Parts by Volume)</b>	A : B = 3.03 : 1			
<b>Finish</b>	Silk gloss			
<b>Colour</b>	On request!			
<b>Recommended Dry Film Thickness (DFT)</b>	Contact HEGSEL!			
<b>Theoretical Consumption</b>	Approx.0.08 kg/m <sup>2</sup> @40 microns DFT / 70 microns WFT 0.26 kg/m <sup>2</sup> @120 microns DFT/ 210 microns WFT			
<b>Material Spray Temperature</b>	Minimum 20 °C recommended			
<b>Number of Coats</b>	One coat (With light colours, a second layer may be needed. (Wet-on-wet ))			
<b>Minimum Coating Thickness</b>	40 µm DFT			
<b>Sagging Limit</b>	120 µm DFT at 20 °C material temperature			
<b>Mixing Time</b>	Part A: Stir up intensively by mechanical means Part A+B: Mix up homogeneous. Mixer speed >100 rpm			
<b>Substrate Temperature</b>	Minimum +10°C and minimum +3°C above dew point			
<b>Relative Humidity of Air</b>	Maximum 85 %			
<b>@Temperature</b>	<b>20°C</b>	<b>25°C</b>	<b>30°C</b>	<b>40°C</b>
<b>Pot Life</b>	3 hrs	2.5 hrs	2 hrs	1 hr
<b>Curing Time (Dust Dry)</b>	1 hr	1 hr	0.75 hr	0.5 hr
<b>Curing Time (Tack Free)</b>	8 hrs	7 hrs	5 hrs	4 hrs
<b>Curing Time (Fully Cured)</b>	96 hrs	72 hrs	48 hrs	24 hrs
<b>Recoat Airless Spraying (Wet on Wet)</b>	Min. 48 hrs	Min. 48 hrs	Min. 36 hrs	Min. 24 hrs

**Note 1:** Waiting time under continuous pressure may reduce pot life!

**Note 2:** All above values are approximate and may be used as a guideline for specifications.

**Technical Data:**

Title	Value	Unit
<b>Density (dependent on colour)</b>	Approx. 1.25	g/cm <sup>3</sup>
<b>Solids Content</b>	Approx. 57	%
<b>Flash Point</b>	> 25	°C

**Packaging:**

11.5 kg kits

**Storage:**

12 months, unopened in original drums under dry and cool conditions below 25°C provided with adequate ventilation. Protect from 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. Safety Measures

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.

**HEGSEL Coat 192**; Revision No: 0.10 / Last Revision Date: 05.07.2023

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 latest 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.

**HEGSEL GmbH**

Huttropstr. 60  
45138 Essen  
Germany

Tel: +49 201 17003 270

Fax: +49 201 17003 277

E-Mail: [info@heggel.de](mailto:info@heggel.de)

Web: [www.heggel.de](http://www.heggel.de)