




















Technical information (03/2021)

## GRAVIHEL ARMOR SKIN MIX MATT

- Two-component single layer structur coating with extreme weather, chemical, UV and mechanical resistance.
- Used in the protection of construction, agricultural machinery, rail vehicles, different steel constuctions, PV and LCV (vans, trucks, campers) and for industrial varnishing, which requires high level of mechanical, chemical and weather resistance.
- For special effects you can add to any shade 10-20 % of GRAVIHEL Silver Pastes (21, 22 or 23 ), in order effect would be more visable we recommend to use GRAVIHEL 22 coarse silver or GRAVIHEL 23 extra coarse silver.
- VOC compliant

SUBSTRATE	SUBSTRATE PREPARATION		
	 P220 – P280	 GRAVIHEL Antisilicone cleaner	
	 GRAVIHEL Antisilicone cleaner	 P220 – P280	 GRAVIHEL Antisilicone cleaner
	 GRAVIHEL Antisilicone cleaner	 P220 – P280	 GRAVIHEL Antisilicone cleaner
	<b>GRAVIHEL PUR WOOD PRIMER</b>	 P360 – P600	Dust free
	 GRAVIHEL Antisilicone cleaner		
	 GRAVIHEL IND Plastic cleaner	 P500 – P800	 GRAVIHEL IND Plastic cleaner

Typ of product: Acryl – isocyanate (polyurethane)  
 Appearance: MATT

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**Delivery viscosity:** Thixotropic  
 DIN 53211  $\phi$ 4 / 20°C

**Density of component A:** 1,301 – 1,430 kg/l

**Solid content:** By volume: 63%  
 By weight: 75%

**VOC:** 2004/42/II B(e)(840)450  
 EU limit value VOC for this type of product (category II B (e)) in the form, which is ready for application is 840 g/l. VOC of this product, prepared for use is 450 g/l  
 IT IS ALSO USED TO RENOVATE INDUSTRIAL AND COMMERCIAL VEHICLES

**Theoretical yield:** 3,5 m<sup>2</sup>/lit.




**Temperature stability:** Short-term: up to 140°C  
 (dry temperature) Long-term: up to 80°C

**Processing temperature:** +10°C till max. +40°C, max.Humidity 75%

**Color shades:** RAL

	<b>Mixing ratio by Volume:</b>	5 : 1 GRAVIHEL 2K PUR SINGLE COAT HARDENER
	<b>Mixing ratio by Weight:</b>	6 : 1 GRAVIHEL 2K PUR SINGLE COAT HARDENER
	<b>Pot life of the mixture at 20°:</b>	4 h
	<b>Viscosity (RFU):</b> DIN 53211 $\phi$ 4 / 20°C	Thixotropic
	<b>Application with UBS spray gun:</b>	<p><b>COARSE TEXTURE:</b> Thinner is not needed            Pressure: 2 – 3 bar            2 or more layers            Distance to the object: 30 – 50 cm            Flash-off between coats: 10 min/20°C</p> 

		<p><b>COARSE TEXTURE - BIGGER (ORANGE PEEL):</b> Thinner is not needed          Pressure: 3 - 5 bar          1 or more layers (150 – 200 µm)          Distance to the object: 20 – 30 cm          Flash-off between coats: 20 – 30 min.</p> 
	<p><b>Application with spray gun:</b></p>	<p><b>FINE TEXTURE: add 5 – 10% GRAVIHEL THINNER ESS</b>          Nozzle: 1,6 – 1,8 mm RP          Pressure: 1,5 – 2 bar          2 or more layers          Distance to the object: 25 – 30 cm          Flash-off between coats: 10 min.</p>  <p><b>STANDARD TEXTURE (SMALL ORANGE PEEL ): add 5 – 10 % GRAVIHEL THINNER ESS</b>          Nozzle: 1,6 – 1,8 mm RP          Pressure: 2 bar          2 or more layers          Distance to the object: 15 - 20 cm          Flash-off between coats: 15 min.</p> 

	<b>Drying time:</b>	<table border="0"> <thead> <tr> <th>Object temperature</th> <th>at 20°C</th> <th>at 60°C</th> </tr> </thead> <tbody> <tr> <td><b>Powder dry:</b></td> <td>30 min.</td> <td>-</td> </tr> <tr> <td><b>Dry to touch:</b></td> <td>5 - 6 h</td> <td>-</td> </tr> <tr> <td><b>Dry to assembly:</b></td> <td>8 - 10 h</td> <td>30 min.+ 1h/20°C</td> </tr> <tr> <td><b>Through dry:</b></td> <td>24 h</td> <td>30 min.+ 3h/20°C</td> </tr> </tbody> </table>	Object temperature	at 20°C	at 60°C	<b>Powder dry:</b>	30 min.	-	<b>Dry to touch:</b>	5 - 6 h	-	<b>Dry to assembly:</b>	8 - 10 h	30 min.+ 1h/20°C	<b>Through dry:</b>	24 h	30 min.+ 3h/20°C
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<b>Through dry:</b>	24 h	30 min.+ 3h/20°C															
	<b>Drying time (infra-red short-wave):</b>	8 - 12 min. Distance to the object: 70 - 80 cm															
	<b>Shelf life:</b>	2 years															

FOR PROFESSIONAL USE ONLY - See Safety Data Sheet

2K materials react with humidity; take care that all containers and tools are absolutely dry. While coating, the ambient relative humidity should not exceed 80%.

The data may vary under various conditions.,

Any part of this information may change at any time without notice.

The information was derived from years of experience in the collaboration of Development and Technical Services and is the property of HELIOS Refinish.

We guarantee that the quality of work carried out according to our instructions delivers results while we disclaim any liability if any other products were used or if other factors influenced the final appearance.

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