




Technical information (04/2021)

GRAVIHEL EPOXY TOPCOAT 500

- Two-component thick-layer top coating based on an epoxy binder, used for the protection of indoor surfaces which are not directly exposed to UV rays (working machinery and concrete surfaces, which must be completely dry prior to the application of protection).
- The coating is distinguished by a high chemical and mechanical resistance.
- Can be used also for coating concrete surfaces (internal and external) with below system (can only be used, if concrete humidity is below 4.5% and object is horizontally hydro isolated)
 - 1 layer = GRAVIHEL EPOXY TOPCOAT 500 - 003 semi gloss + 30% GRAVIHEL EPOXY THINNER
 - 2 layer = GRAVIHEL EPOXY TOPCOAT 500 – 003 semi gloss + 10-15% GRAVIHEL EPOXY THINNER
 - 3 layer = GRAVIHEL PUR TOPCOAT 402 – 003 semi gloss or any PUR TOPCOAT
- Application 1 and 2 layer - the same day, and the application layer 3 - next day
- VOC compliant

SUBSTRATE PREPARATION		CONCRETE
	 P220 – P280	Dust free and dry
	 GRAVIHEL Antisilicone cleaner	

Typ of product: 2K epoxy - polyamidoamine
Appearance 500 – 003 SEMI GLOSS












Delivery viscosity: Thixotropic
 DIN 53211 Φ4 / 20°C

Density of component A: 1,327 – 1,477 kg/l

Solid content: By volume: 43%
 By weight: 76%

VOC: 2004/42/II B(e)(840)600
 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 600 g/l
 IT IS ALSO USED TO RENOVATE INDUSTRIAL AND COMMERCIAL VEHICLES

Theoretical yield: 4 - 5 m² /lit.
Temperature resistance Short-term: up to 140 °C
 (dry temperature) Long-term: up to 120 °C
Processing temperature: +10°C till max. +40°C, max.Humidity 75%
Color shades: GRAVIHEL COLOR TOOLS

	Mixing ratio by Volume:	3:1+ 15-20% GRAVIHEL EPOXY HARDENER GRAVIHEL EPOXY THINNER
	Pot life of the mixture at 20°:	8 h
	Viscosity (RFU): DIN 53211 φ4 / 20°C	24 - 28 sec.
	Application with spray gun:	1,5 – 2,0 mm 2 – 3 bar
	Number of layers: Film thickness:	2 80 - 120 μm
	Flash-off:	10 - 15 min. /20°C between coats
	Drying time:	Object temperature at 20°C at 60°C Powder dry: 20 min. - Dry to touch: 3 h - Dry to assembly: 5 h 20 min. Through dry: 24 h 20 min.
	Application with Airmix:	10% GRAVIHEL EPOXY THINNER Nozzle: 0,28 – 0,33 mm Pressure: 100 bar Flash-off between coats: 5 - 10 min. /20°C
	Brush application:	Thinner is not needed!
		Adding 1% of GraviHEL EPOXY ACCELERATOR. ACCELERATES curing and achieving of the final hardness of the coating.
	Shelf life:	2 years

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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.

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