

SCHEDA TECNICA

VEREPOS EP FLOORING

Serie 30440000

- Solvent Free Epoxy Flooring

Description

Two component, solvent free, self leveling epoxy flooring

Use and principal characteristic

- Concrete protective coating, suitable for floors indoor and outdoor (to be topcoated with PU coating DESMOVER)
- Self leveling and self smoothing
- Excellent mechanical resistance
- Excellent abrasion resistance
- Easy cleaning
- Good chemical resistance in case of spillage
- To be applied on top of specific epoxy primer FONDO TURAPORI EPOSSIDICO (n.35000335) for concrete substrates
- Appropriate filler to be added

Basic data at 20°C (mixed product)

Colour and gloss

Ral colors, clear coat

Gloss

Semi-gloss

Specific gravity

1,44 kg/dm³ ca

Volume solids

99%

Recommended DFT

2000 microns (with appropriate filler)

Theoretical spreading rate

0.5 sqm/l for 2000 microns, depending on surface roughness

Resistant to tread

24 hours

Full cure

7 days

Shelflife

At least 24 months, stored in dry and cool conditions

Temperature resistance

Up to 105°C

Flash point

Base above 113°C, hardener above 115°C

VOC	30 gr/l								
Substrate conditions and temperatures	<p>Substrate to be primed with epoxy primer FONDO TURAPORI EPOSSIDICO, to be sound, dry and free from any contamination</p> <p>Substrate humidity should be below 5%</p> <p>Substrate and ambient temperature should be between 10°C and 40°C during application and curing</p> <p>Substrate should be at least 5°C above dew point</p> <p>Relative humidity should not exceed 85%</p>								
Introduction for use	<p>Mixing ratio by weight:</p> <p>base n. 30440000 100 parts hardener n. 30120115 20 parts</p> <p>Appropriate filler to be added, mixing ratio about 50/50 with mixed product (base + hardener) depending on application condition</p> <p>Material temperature should be between 10°C and 40°C</p> <p>Mix base and hardener with a variable speed mechanical mixed thoroughly for 1 minute , add filler while stirring and stir thoroughly for 2 minutes, fill the mixture into another can and stir for 1 minute to get omogeneity</p> <p>No thinner should be added; on porous substrates can be thinned up to 5%</p>								
Introduction time	None								
Pot life	40 minutes at 20°C								
Application conditions	<p>Temperature between +10°C and +40°C</p> <p>Relative humidity should not exceed 85%</p> <p>Substrate humidity should be below 5%</p>								
Application tools	Trowel, spiked roller, swedish knife								
Application method	<p>Appropriate amount of the mixture to be poured on the substrate and spread it evenly by the mentioned tools, spiked roller to be used to avoid air entrapment</p> <p>Multilayer application system can be also used applying first layer of VEREPOS EP Flooring clear coat with filler at 1500 microns on the primed substrate and second layer of VEREPOS EP Flooring color without filler at 500 microns</p> <p>For outdoor substrates VEREPOS EP Flooring color must be topcoated with PU coating DESMOVER</p> <p>Special working methods are necessary when substrate inclination doesn't allow a self leveling and smooth flooring</p>								
Packing	<table border="1"> <tr> <td>Base</td> <td>30440000</td> <td>kg</td> <td>25</td> </tr> <tr> <td>Hardener</td> <td>30120115</td> <td>kg</td> <td>3,75</td> </tr> </table>	Base	30440000	kg	25	Hardener	30120115	kg	3,75
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Additional data	<p>Abrasion resistance (ASTM D4060): 60 mg 1000 cycles (CS17/1kg)</p> <p>Flexural strength (DIN 53452): 30 MPa</p> <p>Tensile strength (DIN 53455-3): 26 MPa</p> <p>Compressive strength (DIN 53453): 92 MPa</p>								