DESCRIPTION

Two-component, epoxy anticorrosive primer, based upon pure epoxy technology

PRINCIPAL CHARACTERISTICS

- Specialized for use under SIGMAGLIDE fouling release system
- Excellent anticorrosive properties and water resistance
- Good abrasion resistance
- Suitable for application and curing in a wide range of climatic conditions

COLOR AND GLOSS LEVEL

- Redbrown
- Low sheen

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	60 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 287.0 g/kg max. 392.0 g/l (approx. 3.3 lb/gal)
Recommended dry film thickness	150 μm (6.0 mils)
Theoretical spreading rate	6.0 m²/l for 100 μm (241 ft²/US gal for 4.0 mils)
Dry to touch	3 hours
Full cure after	7 days
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA Overcoating intervals
- See ADDITIONAL DATA Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

• Previous coat must be sound, dry and free from any contamination

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Substrate temperature and application conditions

- Substrate temperature during application and curing should be between 5°C (41°F) and 40°C (104°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should not exceed 85%

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 4:1

- The temperature of the mixed base and hardener should preferably be above 5°C (41°F), otherwise extra thinner may be required to obtain application viscosity
- Thinner should be added after mixing the components
- · Adding too much thinner results in reduced sag resistance

Pot life

4 hours at 20°C (68°F)

Note:

- See ADDITIONAL DATA - Pot life

Air spray

Recommended thinner

THINNER 91-92

Volume of thinner

0 - 15%, depending on required thickness and application conditions

Nozzle orifice

1.5 - 2.0 mm (approx. 0.060 - 0.079 in)

Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

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Airless spray

Recommended thinner

THINNER 91-92

Volume of thinner

0 - 15%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.53 - 0.74 mm (0.021 - 0.029 in)

Nozzle pressure

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

Brush/roller

Recommended thinner

No extra thinner is necessary

Volume of thinner

Up to 5% THINNER 91-92 can be added if desired

ADDITIONAL DATA

Overcoating interval for DFT up to 150 μm (6.0 mils)							
Overcoating with	Interval	5°C (41°F)	10°C (50°F)	15°C (59°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
SIGMAGLIDE 790	Minimum	28 hours	24 hours	20 hours	12 hours	10 hours	8 hours
	Maximum	7 days	7 days	6 days	5 days	4 days	2 days

Note:

- Surface should be dry and free from any contamination

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Curing time for DFT up to 150 μm (6.0 mils)					
Substrate temperature	Dry to touch	Dry to handle	Full cure		
5°C (41°F)	4 hours	8 hours	9 days		
10°C (50°F)	3 hours	6 hours	7 days		
15°C (59°F)	2 hours	4 hours	5 days		
20°C (68°F)	2 hours	3 hours	4 days		
30°C (86°F)	1 hour	2 hours	3 days		
40°C (104°F)	1 hour	2 hours	2 days		

Note:

- Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)				
Mixed product temperature	Pot life			
5°C (41°F)	10 hours			
10°C (50°F)	7 hours			
15°C (59°F)	6 hours			
20°C (68°F)	4 hours			
30°C (86°F)	2 hours			
40°C (104°F)	1 hour			

SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

Information sheet | Explanation of product data sheets

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WARRANTY

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