### 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 1999/13/EC, SED: max. 291 g/kg Max. 397.0 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



#### 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

### <u>Air spray</u>

**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.)



#### 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



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

- 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
- See Safety Data Sheet and product label for complete safety and precaution requirements

### 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



#### WARRANTY

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