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### **DESCRIPTION**

Two-component, high-build, polyamine-cured vinyl epoxy primer

### PRINCIPAL CHARACTERISTICS

- · Epoxy primer or buildcoat in protective coating systems for steel structures in atmospheric exposure
- · Tough, with long-term flexibility
- Cures at temperatures down to -5°C (23°F)
- · Fast-drying and handling

### **COLOR AND GLOSS LEVEL**

- · Gray, yellow
- Flat

### BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.5 kg/l (12.5 lb/US gal)
Volume solids	60 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 235.0 g/kg UK PG 6/23(92) Appendix 3: max. 345.0 g/l (approx. 2.9 lb/US gal)
Recommended dry film thickness	80 - 180 μm (3.1 - 7.1 mils) depending on system
Theoretical spreading rate	7.5 m²/l for 80 $\mu$ m (310 ft²/US gal for 3.1 mils) 3.3 m²/l for 180 $\mu$ m (136 ft²/US gal for 7.1 mils)
Dry to touch	50 minutes
Overcoating Interval	Minimum: 45 minutes Maximum: 12 months
Shelf life	Base: at least 12 months when stored cool and dry Hardener: at least 16 months when stored cool and dry

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- See ADDITIONAL DATA Spreading rate and film thickness
- See ADDITIONAL DATA Overcoating intervals

### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### **Substrate conditions**

- Steel; blast cleaned to ISO-Sa2 $\frac{1}{2}$ , blasting profile 40 70  $\mu$ m (1.6 2.8 mils)
- Previous coat must be sound, dry and free from any contamination

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### Substrate temperature

- Substrate temperature during application and curing down to -5°C (23°F) is acceptable; provided the substrate is free
  from ice and dry
- 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 80:20 (4:1)

- The temperature of the mixed base and hardener should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- · Adding too much thinner results in reduced sag resistance and slower cure
- Thinner should be added after mixing the components

### **Induction time**

15 minutes at 20°C (68°F)

### Pot life

6 hours at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

### **Air spray**

### **Recommended thinner**

THINNER 21-06

### Volume of thinner

20 - 30%, depending on required thickness and application conditions

### **Nozzle orifice**

1.5 - 3.0 mm (approx. 0.060 - 0.110 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 21-06

### **Volume of thinner**

20 - 30%, depending on required thickness and application conditions

### **Nozzle orifice**

Approx. 0.48 mm (0.019 in)

### Nozzle pressure

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

### **Brush/roller**

### **Recommended thinner**

**THINNER 21-06** 

### Volume of thinner

0 - 5%

### **Cleaning solvent**

THINNER 90-53

### **ADDITIONAL DATA**

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
80 μm (3.1 mils)	7.5 m²/l (310 ft²/US gal)	
100 μm (4.0 mils)	6.0 m²/l (241 ft²/US gal)	
180 μm (7.1 mils)	3.3 m²/l (136 ft²/US gal)	

Overcoating interval for DFT up to 80 μm (3.1 mils)					
Overcoating with	Interval	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
recommended topcoats	Minimum	3 hours	1.5 hours	45 minutes	25 minutes
	Maximum	12 months	12 months	12 months	12 months



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Overcoating interval for DFT up to 150 μm (6.0 mils)					
Overcoating with	Interval	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
recommended topcoats	Minimum	4.5 hours	2.5 hours	1 hour	35 minutes
	Maximum	12 months	12 months	12 months	12 months

Note: Surface should be dry and free from any contamination

### **SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- 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 and 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**

<ul> <li>CONVERSION TABLES</li> <li>EXPLANATION TO PRODUCT DATA SHEETS</li> <li>SAFETY INDICATIONS</li> </ul>	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1410 1411 1430
SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431
<ul> <li>SAFE WORKING IN CONFINED SPACES</li> <li>DIRECTIVES FOR VENTILATION PRACTICE</li> <li>CLEANING OF STEEL AND REMOVAL OF RUST</li> <li>SPECIFICATION FOR MINERAL ABRASIVES</li> <li>RELATIVE HUMIDITY - SUBSTRATE TEMPERATURE - AIR TEMPERATURE</li> </ul>	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1433 1434 1490 1491 1650

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