### **DESCRIPTION**

Two-component, glass flake ultra high-build polyamine adduct cured epoxy coating

#### **PRINCIPAL CHARACTERISTICS**

- For use in both offshore and onshore business
- · Designed for use in heavy-duty and corrosive environments
- · Glass-flake reinforced for improved impact and abrasion resistance
- · Excellent seawater, cracking and corrosion resistance
- Long-term protection in a single-coat application
- Resistant to well designed cathodic protection
- Strong adhesion properties, suitable for wet blast cleaned substrates (damp or dry)

# **COLOR AND GLOSS LEVEL**

- Light gray (other colors available on request)
- Gloss

### BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.6 kg/l (12.9 lb/US gal)
Volume solids	90 ± 3%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 140.0 g/kg UK PG 6/23(92) Appendix 3: max. 220.0 g/l (approx. 1.8 lb/US gal)
Recommended dry film thickness	200 - 1000 μm (8.0 - 40.0 mils)
Theoretical spreading rate	3.0 m²/l for 300 µm (120 ft²/US gal for 12.0 mils)
Dry to touch	4 hours
Overcoating Interval	See overcoating tables
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 Spreading rate and film thickness
- See ADDITIONAL DATA Overcoating intervals
- See ADDITIONAL DATA Curing time

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#### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

#### **Substrate conditions**

- · Coating performance will depend upon the surface preparation degree
- Steel; blast cleaned to ISO-Sa2 or ISO-Sa21/2
- Blasting profile of 40 80 μm (1.6 3.1 mils) is recommended
- Hydrojetted to VIS WJ2/3 L
- Compatible previous coat must be dry and free from any contamination

#### Substrate temperature

- Substrate temperature during application and curing should be above 0°C (32°F)
- Substrate temperature during application should be at least 3°C (5°F) above dew point

# **INSTRUCTIONS FOR USE**

#### Mixing ratio by volume: base to hardener 4:1

- Do not thin more than is required by appropriate application property
- · Adding too much thinner results in reduced sag resistance and slower cure
- If required, thinner should be added after mixing the components

## Pot life

1.5 hours at 20°C (68°F)

#### Note:

- See ADDITIONAL DATA - Pot life

#### Air spray

# **Recommended thinner**

**THINNER 91-92** 

### Volume of thinner

4 - 8%, depending on required thickness and application conditions

#### **Nozzle orifice**

1.5 - 3.0 mm (approx. 0.060 - 0.110 in)

# Nozzle pressure

0.2 - 0.4 MPa (approx. 2 - 4 bar; 29 - 58 p.s.i.)

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### Airless spray

### **Recommended thinner**

**THINNER 91-92** 

### **Volume of thinner**

0 - 5%, depending on required thickness and application conditions

## **Nozzle orifice**

Approx. 0.53 - 0.69 mm (0.021 - 0.027 in)

# Nozzle pressure

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

### **Brush/roller**

· Only for touch-up and repair

#### **Recommended thinner**

**THINNER 91-92** 

# Volume of thinner

0 - 5%

# **Cleaning solvent**

• THINNER 90-53

#### **ADDITIONAL DATA**

Spreading rate and film thickness			
DFT	Theoretical spreading rate		
300 μm (12.0 mils)	3.0 m²/l (120 ft²/US gal)		
500 μm (20.0 mils)	1.8 m²/l (72 ft²/US gal)		
1000 μm (40.0 mils)	0.9 m <sup>2</sup> /l (36 ft <sup>2</sup> /US gal)		

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Overcoating interval for DFT up to 500 μm (20.0 mils)						
Overcoating with	Interval	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
itself	Minimum	20 hours	8 hours	4 hours	2 hours	1.5 hours
	Maximum	1 month	1 month	28 days	21 days	14 days
epoxy coatings	Minimum	20 hours	8 hours	4 hours	2 hours	1.5 hours
	Maximum	1 month	14 days	10 days	7 days	4 days
polyurethanes	Minimum	36 hours	20 hours	14 hours	10 hours	6 hours
	Maximum	1 month	14 days	10 days	7 days	4 days

### Note:

- Surface should be dry and free from any contamination before recoating

Curing time for DFT up to 500 μm (20 mils)				
Substrate temperature	Full cure	Dry to touch	Dry to handle	
0°C (32°F)	24 days	18 hours	36 hours	
5°C (41°F)	18 days	12 hours	30 hours	
10°C (50°F)	14 days	6 hours	18 hours	
20°C (68°F)	7 days	4 hours	10 hours	
30°C (86°F)	5 days	3 hours	6 hours	
40°C (104°F)	3 days	2 hours	3 hours	

## Notes:

- Premature exposure to water will lead to whitening of dark colours when applied between tides on jetties, piling etc. this will not affect anticorrosive properties of the coating
- Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)			
Mixed product temperature	Pot life		
0°C (32°F)	4 hours		
10°C (50°F)	2 hours		
20°C (68°F)	1.5 hours		
30°C (86°F)	1 hour		

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#### **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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