#### **DESCRIPTION**

Two-component, solvent-free, amine-cured modified phenolic epoxy coating

#### PRINCIPAL CHARACTERISTICS

- · Tank coating for crude oil and aliphatic petroleum products
- · Good resistance to various chemicals
- Can be applied by heavy-duty, single-feed, airless spray equipment (60:1)
- · Excellent anticorrosive properties and water resistance
- · Good abrasion resistance
- · A clear (semi-transparent) version is available for systems reinforced with chopped glass fibers or glass fiber mats
- Meets the requirements of El 1541 2.2 (coating systems for aviation fuel storage tanks and pipes)

#### **COLOR AND GLOSS LEVEL**

- · Gray, offwhite, clear (semi-transparent)
- Gloss

## 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	100%
VOC (Supplied)	UK PG 6/23(92) Appendix 3: max. 20.0 g/l (approx. 0.2 lb/US gal)
Recommended dry film thickness	300 - 600 μm (12.0 - 24.0 mils) depending on system
Theoretical spreading rate	$3.3~m^2/l$ for $300~\mu m$ ( $134~ft^2/US~gal$ for $12.0~mils$ ) $1.7~m^2/l$ for $600~\mu m$ ( $67~ft^2/US~gal$ for $24.0~mils$ )
Dry to touch	8 hours
Overcoating Interval	Minimum: 12 hours Maximum: 6 months
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**

• Steel; blast cleaned to ISO-Sa2½, blasting profile  $50 - 100 \, \mu m$  (2.0 – 4.0 mils)

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#### Substrate temperature and application conditions

- Substrate temperature during application and curing should be above 5°C (41°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point

#### **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 20°C (68°F)
- · Higher temperature will result in shorter pot life
- · No thinner should be added
- · In-line heaters can be considered

#### Pot life

45 minutes at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

#### **Airless spray**

- Use heavy-duty, single-feed, airless spray equipment, preferably 60:1 pump ratio and suitable high-pressure hoses/inline heating or insulated hoses may be necessary to avoid cooling down of paint in hoses at low air temperature
- · Application with 45:1 airless spray equipment is possible, provided in-line, heated high-pressure hoses are used

#### **Recommended thinner**

No thinner should be added

#### **Nozzle orifice**

Approx. 0.43 - 0.53 mm (0.017 - 0.021 in)

## Nozzle pressure

21.0 MPa (approx. 210 bar; 3046 p.s.i.)

Note: In case of using 45:1 airless spray equipment, the paint must be heated to approximately 30°C (86°F) in order to obtain the right application viscosity

#### **Brush/roller**

· Brush: for stripe coating and spot repair only

#### **Recommended thinner**

No thinner should be added

## **Cleaning solvent**

THINNER 90-53 or THINNER 90-83

Note: All application equipment must be cleaned immediately after use. Paint inside the spraying equipment must be removed before the pot life has been expired.

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#### **ADDITIONAL DATA**

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
300 μm (12.0 mils)	3.3 m²/l (131 ft²/US gal)	
600 μm (24.0 mils)	1.7 m²/l (67 ft²/US gal)	

Overcoating interval for DFT up to 300 μm (12.0 mils)						
Overcoating with	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
itself	Minimum	36 hours	20 hours	12 hours	5 hours	2 hours
	Maximum exposed to direct sunshine	2 months	2 months	2 months	1 month	1 month
	Maximum NOT exposed to direct sunshine	6 months	6 months	6 months	4 months	2 months

Note: Surface should be dry and free from any contamination

Curing time for DFT up to 300 µm (12.0 mils)				
Substrate temperature	Dry to touch	Dry to handle	Full cure	
5°C (41°F)	30 hours	36 hours	21 days	
10°C (50°F)	20 hours	24 hours	10 days	
20°C (68°F)	8 hours	12 hours	5 days	
30°C (86°F)	3 hours	4 hours	3 days	

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
20°C (68°F)	45 minutes	
30°C (86°F)	20 minutes	

### **SAFETY PRECAUTIONS**

Although this is a solvent-free paint, care should be taken to avoid inhalation of spray mist, 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.

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#### **REFERENCES**

EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
SAFETY INDICATIONS	INFORMATION SHEET	1430
SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD –	INFORMATION SHEET	1431
TOXIC HAZARD		
SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434
CLEANING OF STEEL AND REMOVAL OF RUST	INFORMATION SHEET	1490

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