### DESCRIPTION

Two-component, high solids polyamine cured conductive phenolic epoxy coating

### **PRINCIPAL CHARACTERISTICS**

- Conductive phenolic epoxy coating in protective coating systems for the inside protection of steel tanks for liquid
  fuel
- Good adhesion to steel
- Good water and corrosion resistance
- Good low-temperature curing
- Complies with GB50393

### **COLOR AND GLOSS LEVEL**

- Redbrown, light gray
- Semi-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	78 ± 2%	
VOC (Supplied)	Directive 2010/75/EU, SED: max. 169.0 g/kg max. 242.0 g/l (approx. 2.0 lb/US gal)	
Recommended dry film thickness	100 - 150 μm (4.0 - 6.0 mils)	
Theoretical spreading rate	5.2 m²/l for 150 $\mu m$ (209 ft²/US gal for 6.0 mils)	
Dry to touch	3 hours	
Overcoating Interval	Minimum: 8 hours Maximum: 28 days	
Shelf life	Base: at least 12 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



# **RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES**

### Substrate conditions

- Steel; blast cleaned to a minimum of ISO-Sa2½, blasting profile 40 70 μm (1.6 2.8 mils)
- Previous coat of approved coating must be dry and free from any contamination

# Substrate temperature and application conditions

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

# SYSTEM SPECIFICATION

• 2 layers of 100 to 150 µm (4.0 mils to 6.0 mils)

# **INSTRUCTIONS FOR USE**

### Mixing ratio by volume: base to hardener 3:1

- 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

# Pot life

1.5 hours at 20°C (68°F)

### Note:

- See ADDITIONAL DATA - Pot life

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

**Recommended thinner** 

THINNER 91-92

### **Volume of thinner**

5 - 15% for a one coat application of 150  $\mu m$  (6.0 mils) DFT

# **Nozzle orifice**

1.8 - 2.0 mm (approx. 0.070 - 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 - 10% for a one coat application of 150  $\mu m$  (6.0 mils) DFT

### **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**

• For stripe coating and spot repair only

### **Cleaning solvent**

• THINNER 90-53

# **ADDITIONAL DATA**

Spreading rate and film thickness			
DFT	Theoretical spreading rate		
100 µm (4.0 mils)	7.8 m²/l (313 ft²/US gal)		
150 µm (6.0 mils)	5.2 m²/l (209 ft²/US gal)		

Note:

- Maximum DFT when brushing: 100 µm (4.0 mils)

Overcoating interval for DFT up to 150 μm (6.0 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	32 hours	24 hours	8 hours	4 hours	3 hours
	Maximum	28 days	28 days	28 days	14 days	7 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	Full cure			
5°C (41°F)	12 hours	21 days			
10°C (50°F)	6 hours	14 days			
20°C (68°F)	3 hours	7 days			
30°C (86°F)	1.5 hours	5 days			
40°C (104°F)	30 minutes	4 days			

Pot life (at application viscosity)			
Mixed product temperature	Pot life		
15°C (59°F)	3 hours		
20°C (68°F)	1.5 hours		
25°C (77°F)	1 hour		
30°C (86°F)	30 minutes		

### 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

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