### DESCRIPTION

Premium dry cargo hold product based on bi-phasic polymer composition delivering excellent Mechanical, Thermal and Chemical protection

### **PRINCIPAL CHARACTERISTICS**

- · 2-pack polymeric epoxy / amine providing kick-start cure and faster return to service
- Excellent abrasion and impact resistance
- Excellent gouging resistance at elevated temperatures
- Excellent chemical resistance to a wide range of active dry bulk cargoes

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

- Redbrown, gray
- Eggshell

# BASIC DATA AT 10°C (50°F)

Data for mixed product	
Number of components	Тwo
Mass density	1.5 kg/l (12.5 lb/US gal)
Volume solids	65 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 267.0 g/kg max. 399.0 g/l (approx. 3.3 lb/US gal)
Recommended dry film thickness	See spreading rate tables
Theoretical spreading rate	6.4 m²/l for 100 μm (257 ft²/US gal for 4.0 mils)
Dry to touch	3 hours
Overcoating Interval	See overcoating tables
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 Spreading rate and film thickness
- See ADDITIONAL DATA Overcoating intervals
- See ADDITIONAL DATA Curing time

### **RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES**

#### Substrate conditions

- Surface must be free from grease, salts and any contamination
- · Coated steel; adhesion will be improved by mechanical pretreatement of the existing, aged coating system



#### Substrate temperature and application conditions

- Relative humidity during application and curing should not exceed 85%
- 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 be above 10°C (50°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

None

### Pot life

5 hours at 10°C (50°F)

Note: See ADDITIONAL DATA - Pot life

### Air spray

**Recommended thinner** THINNER 91-92

#### Volume of thinner

0 - 5%, 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 - 3%, 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

# Cleaning solvent

THINNER 90-53

### **ADDITIONAL DATA**

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
100 µm (4.0 mils)	6.5 m²/l (261 ft²/US gal)	

Overcoating interval for DFT up to 150 μm (6.0 mils)					
Overcoating with	Interval	0°C (32°F)	5°C (41°F)	10°C (50°F)	15°C (59°F)
itself	Minimum	16 hours	10 hours	6 hours	4 hours
	Maximum	2 months	2 months	1 month	1 month

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	
0°C (32°F)	8 hours	17 hours	12 days	
5°C (41°F)	5 hours	11 hours	9 days	
10°C (50°F)	6 hours	6 hours	7 days	
15°C (59°F)	2 hours	4 hours	5 days	

Note: Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
10°C (50°F)	5 hours	

### 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> <li>SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD</li> </ul>	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1410 1411 1430 1431
<ul> <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	1434 1490 1491 1650



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