#### 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, even 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 20°C (68°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	2 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
- Ambient temperature during application should be at least 5°C (41°F)

#### **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

None

#### Pot life

2.5 hours at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

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

Recommended thinner THINNER 91-92

**Volume of thinner** 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)						
itself						
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	13 hours	6 hours	2.5 hours	1.5 hours	1 hour
	Maximum	3 months	3 months	3 months	3 months	3 months

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	
10°C (50°F)	3 hours	8 hours	14 days	
20°C (68°F)	2 hours	5 hours	7 days	
30°C (86°F)	1 hour	3 hours	5 days	
40°C (104°F)	30 minutes	2 hours	4 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	
15°C (59°F)	5 hours	
20°C (68°F)	2.5 hours	
30°C (86°F)	2 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

CONVERSION TABLES	INFORMATION SHEET	1410
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		
DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434
CLEANING OF STEEL AND REMOVAL OF RUST	INFORMATION SHEET	1490
SPECIFICATION FOR MINERAL ABRASIVES	INFORMATION SHEET	1491
RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650



#### WARRANTY

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