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### **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	Two
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

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## 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

### 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.)

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# 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

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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**

<ul> <li>CONVERSION TABLES</li> <li>EXPLANATION TO PRODUCT DATA SHEETS</li> <li>SAFETY INDICATIONS</li> </ul>	INFORMATION SHEET INFORMATION SHEET INFORMATION SHEET	1410 1411 1430
SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	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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