#### DESCRIPTION

Two-component epoxy sealer pigmented with aluminum

#### **PRINCIPAL CHARACTERISTICS**

- Epoxy sealer for metal-sprayed steel
- Cures at temperatures down to 5°C (41°F)
- Registered as Highway Agency item 159
- Approved Network Rail RT 98 item 7.1.1

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

• Gray

#### BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Тwo
Mass density	1.0 kg/l (8.3 lb/US gal)
Volume solids	45 ± 2%
VOC (Supplied)	UK PG 6/23(92) Appendix 3: max. 549.0 g/l (approx. 4.6 lb/US gal)
Recommended dry film thickness	25 μm (1.0 mils)
Theoretical spreading rate	18.0 m²/l for 25 μm (722 ft²/US gal for 1.0 mils)
Dry to touch	45 minutes
Overcoating Interval	Minimum: 8 hours Maximum: 4 days
Full cure after	5 days
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

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

#### Substrate conditions

• Thermally sprayed steel must be dry and free from any contamination

#### Substrate temperature and application conditions

- Substrate temperature during application and curing down to 5°C (41°F) is acceptable
- Substrate temperature during application should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should not exceed 85%



#### **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

#### Induction time

None

Pot life 8 hours at 20°C (68°F)

Note: See ADDITIONAL DATA - Pot life

#### Air spray

**Nozzle orifice** 1.5 – 3.0 mm (approx. 0.060 – 0.110 in)

#### Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

#### <u>Airless spray</u>

**Nozzle orifice** Approx. 0.43 - 0.58 mm (0.017 - 0.023 in)

### Nozzle pressure

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

#### **Cleaning solvent**

THINNER 90-53

#### **ADDITIONAL DATA**

Spreading rate and film thickness		
DFT	Theoretical spreading rate	
25 µm (1.0 mils)	18.0 m²/l (722 ft²/US gal)	



Overcoating interval for DFT up to 25 μm (1.0 mils)					
Overcoating with	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)	
itself	Minimum	8 hours	8 hours	6 hours	
	Maximum	4 days	4 days	4 days	

Curing time for DFT up to 25 μm (1.0 mils)					
Substrate temperature	Dry to touch	Dry to handle	Full cure		
10°C (50°F)	1.5 hours	4 hours	7 days		
20°C (68°F)	45 minutes	3 hours	5 days		
30°C (86°F)	25 minutes	1 hour	3 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)	10 hours	
20°C (68°F)	8 hours	
30°C (86°F)	4 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

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



#### WARRANTY

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