#### **DESCRIPTION**

Heat resistant modified alkyd aluminium coating

#### **PRINCIPAL CHARACTERISTICS**

- To be used for the internal and external protection of steel surfaces
- Heat-resistant up to 500°C (930°F); a minimum of 200°C (390°F) is necessary to fuse the aluminum coating
- A minimum drying time of 3 days at 20°C (68°F) should be allowed before exposure to heat
- Application by spray improves the appearance

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

- Aluminum
- Low sheen

#### BASIC DATA AT 20°C (68°F)

Data for product		
Number of components	One	
Mass density	1.1 kg/l (9.2 lb/US gal)	
Volume solids	32 ± 2%	
VOC (Supplied)	Directive 2010/75/EU, SED: max. 561.0 g/kg UK PG 6/23(92) Appendix 3: max. 600.0 g/l (approx. 5.0 lb/US gal)	
Recommended dry film thickness	25 μm (1.0 mils)	
Theoretical spreading rate	12.8 m²/l for 25 μm (513 ft²/US gal for 1.0 mils)	
Dry to touch	1 hour	
Overcoating Interval	Minimum: 24 hours Maximum: Unlimited	
Shelf life	At least 24 months when stored cool and dry	

#### Notes:

- See ADDITIONAL DATA Overcoating intervals
- See ADDITIONAL DATA Curing time

# RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

## **Substrate conditions**

• Steel; blast cleaned to ISO-Sa2½ or ISO-Sa3, blasting profile  $40 - 70 \, \mu m$  (1.6 - 2.8 mils)

# Substrate temperature and application conditions

• Substrate temperature during application should be at least 3°C (5°F) above dew point

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#### **INSTRUCTIONS FOR USE**

- Stir well before use
- The temperature of the paint 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
- · Adequate ventilation must be maintained during application and curing

### Air spray

#### **Recommended thinner**

No thinner should be added

#### **Nozzle orifice**

2.0 - 3.0 mm (approx. 0.079 - 0.110 in)

#### Nozzle pressure

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

#### Airless spray

#### **Recommended thinner**

No thinner should be added

### **Nozzle orifice**

Approx. 0.38 mm (0.015 in)

#### Nozzle pressure

8.0 - 12.0 MPa (approx. 80 - 120 bar; 1161 - 1741 p.s.i.)

#### **Brush/roller**

# **Recommended thinner**

No thinner should be added

#### Cleaning solvent

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#### **ADDITIONAL DATA**

Overcoating interval for DFT up to 25 µm (1.0 mils)				
Overcoating with	Interval	5°C (41°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	48 hours	24 hours	16 hours
	Maximum	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 25 µm (1.0 mils)			
Substrate temperature	Dry to touch		
5°C (41°F)	3 hours		
20°C (68°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
- Guide | PPG SIGMACARE PLUS | Online guide to maintenance at sea

## **WARRANTY**

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