#### **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
- Eggshell

#### 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 (please refer to INFORMATION SHEETS 1433 and 1434)

## 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**

THINNER 20-05

PPG

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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**

- 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		
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
RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

#### **WARRANTY**

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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#### **LIMITATIONS OF LIABILITY**

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