#### **DESCRIPTION**

Heat-resistant modified alkyd aluminum finish

#### **PRINCIPAL CHARACTERISTICS**

- Heat-resistant up to 175°C (350°F)
- High-brilliancy
- Spray application improves the appearance
- A minimum drying time of 3 days at 20°C (68°F) should be allowed before exposure to heat

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

- Aluminum
- Gloss

## BASIC DATA AT 20°C (68°F)

Data for product		
Number of components	One	
Mass density	1.0 kg/l (8.3 lb/US gal)	
Volume solids	47 ± 2%	
VOC (Supplied)	Directive 2010/75/EU, SED: max. 411.0 g/kg max. 417.0 g/l (approx. 3.5 lb/US gal)	
Recommended dry film thickness	25 μm (1.0 mils) per coat	
Theoretical spreading rate	18.8 m²/l for 25 μm (754 ft²/US gal for 1.0 mils)	
Dry to touch	1 hour	
Overcoating Interval	Minimum: 16 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**

• Previous coat must be dry and free from any contamination

# Substrate temperature and application conditions

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

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# **SYSTEM SPECIFICATION**

#### **Uninsulated steel**

- SIGMARINE 24: 35 μm (1.4 mils)
- SIGMATHERM 175: 25 μm (1.0 mil)
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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**

**THINNER 20-05** 

#### **Volume of thinner**

0 - 3%, depending on required thickness and application conditions

### **Nozzle orifice**

1.8 - 2.0 mm (approx. 0.070 - 0.079 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. 0.33 - 0.38 mm (0.013 - 0.015 in)

# **Nozzle pressure**

12.0 - 15.0 MPa (approx. 120 - 150 bar; 1741 - 2176 p.s.i.)

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#### **Brush/roller**

#### **Recommended thinner**

No thinner should be added

#### **Cleaning solvent**

THINNER 20-05

#### **ADDITIONAL DATA**

Overcoating interval for DFT up to 25 μm (1.0 mils)					
Overcoating with	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	
itself	Minimum	36 hours	36 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		
10°C (50°F)	3 hours		
20°C (68°F)	1 hours		

# Note:

- Adequate ventilation must be maintained during application and curing

# **SAFETY PRECAUTIONS**

- See Safety Data Sheet and product label for complete safety and precaution requirements
- 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 & 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

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#### **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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