#### **DESCRIPTION**

Two-component, high solids gloss recoatable acrylic polyurethane finish

#### PRINCIPAL CHARACTERISTICS

- · Excellent resistance against corrosion and seawater
- · Excellent color and gloss retention
- Non-chalking, non-yellowing
- Cures at temperatures down to -5°C (23°F)
- · Tough and abrasion resistant
- · Resistant to splash of mineral and vegetable oils, paraffins, aliphatic petroleum products and mild chemicals
- Can be recoated even after long atmospheric exposure
- · Lead- and chromate free
- ACQPA 35501-certified
- EDF decontamination qualified per PED 200

# **COLOR AND GLOSS LEVEL**

- Full color range
- Gloss

# BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	75 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 191.0 g/kg UK PG 6/23(92) Appendix 3: max. 269.0 g/l (approx. 2.2 lb/US gal)
Recommended dry film thickness	70 - 125 μm (2.8 - 5.0 mils)
Theoretical spreading rate	10.7 m²/l for 70 µm (430 ft²/US gal for 2.8 mils) 6.0 m²/l for 125 µm (241 ft²/US gal for 5.0 mils)
Dry to touch	2 hours
Overcoating Interval	Minimum: 12 hours Maximum: Unlimited
Full cure after	7 days
Shelf life	Base: 24 months when stored cool and dry Hardener: 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**

- Previous coat (epoxy or polyurethane) must be dry and free from any contamination
- Surface of previous coat should be sufficiently roughened if necessary

### Substrate temperature and application conditions

- Substrate temperature during application and curing should be at least 3°C (37°F) above dew point
- Relative humidity during application and curing should not exceed 85%
- Substrate temperature during application should not exceed 40°C (104°F)

#### **INSTRUCTIONS FOR USE**

# Mixing ratio by volume: base to hardener 82:18 (4.56:1)

- 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
- Thinner should be added after mixing the components

# Pot life

5 hours at 20°C (68°F)

#### Note:

- See ADDITIONAL DATA - Pot life

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#### Air spray

# **Recommended thinner**

**THINNER 21-06** 

#### **Volume of thinner**

10 - 15%, depending on required thickness and application conditions

#### **Nozzle orifice**

1.0 - 1.5 mm (approx. 0.040 - 0.060 in)

#### Nozzle pressure

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

#### Airless spray

#### **Recommended thinner**

**THINNER 21-06** 

#### **Volume of thinner**

0 - 15%, depending on required thickness and application conditions

#### **Nozzle orifice**

Approx. 0.38 - 0.43 mm (0.015 - 0.017 in)

# Nozzle pressure

18.0 MPa (approx. 180 bar; 2611 p.s.i.)

# **Brush/roller**

### **Recommended thinner**

**THINNER 21-06** 

# Volume of thinner

5 - 10%

#### Cleaning solvent

• THINNER 90-53

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#### **ADDITIONAL DATA**

Spreading rate and film thickness			
DFT	Theoretical spreading rate		
70 µm (2.8 mils)	10.7 m²/l (430 ft²/US gal)		
100 μm (4.0 mils)	7.5 m²/l (301 ft²/US gal)		
125 μm (5.0 mils)	6.0 m <sup>2</sup> /l (241 ft <sup>2</sup> /US gal)		

Overcoating interval for DFT up to 70 µm (2.8 mils)							
Overcoating with	Interval	-5°C (23°F)	0°C (32°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
itself	Minimum	60 hours	44 hours	24 hours	12 hours	8 hours	5 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

#### Note:

- Maximum interval is only unlimited when the surface is free from any contamination

Curing time for DFT up to 70 µm (2.8 mils)					
Substrate temperature	Dry to touch	Full cure			
-5°C (23°F)	8 hours	22 days			
0°C (32°F)	5 hours	18 days			
10°C (50°F)	3 hours	10 days			
20°C (68°F)	2 hours	7 days			
30°C (86°F)	1 hour	4 days			
40°C (104°F)	30 minutes	3 days			

# Notes:

- Adequate ventilation must be maintained during application and curing
- Should condensation on the surface occur during, or soon after application, this could result in gloss reduction

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Pot life (at application viscosity)			
Mixed product temperature	Pot life		
10°C (50°F)	7 hours		
20°C (68°F)	5 hours		
30°C (86°F)	3 hours		
40°C (104°F)	2 hours		

#### **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
- · Contains a polyisocyanate curing agent

#### **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

#### **WARRANTY**

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