#### **DESCRIPTION**

Two-component, aliphatic clear acrylic polyurethane gloss finish

#### PRINCIPAL CHARACTERISTICS

- · Suitable for application over aluminum pigmented polyurethanes
- · Excellent gloss retention
- · Tough and abrasion resistant
- Resistant to splash of mineral and vegetable oils, white spirit, paraffins, aliphatic petroleum products and mild chemicals
- · Reduced sensitivity to early condensation and rain
- Can be recoated even after long atmospheric exposure
- Cures at temperatures down to -5°C (23°F)
- Suitable for use on stainless, non-ferrous materials not subject to immersion

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

- Clear
- Gloss

#### BASIC DATA AT 20°C (68°F)

Data for mixed product		
Number of components	Two	
Mass density	1.0 kg/l (8.3 lb/US gal)	
Volume solids	50 ± 2%	
VOC (Supplied)	Directive 1999/13/EC, SED: max. 463.0 g/kg UK PG 6/23(92) Appendix 3: max. 450.0 g/l (approx. 3.8 lb/US gal)	
Recommended dry film thickness	35 - 50 μm (1.4 - 2.0 mils) depending on system	
Theoretical spreading rate	14.3 m²/l for 35 μm (573 ft²/US gal for 1.4 mils)	
Dry to touch	1 hour	
Overcoating Interval	Minimum: 12 hours Maximum: Unlimited	
Full cure after	7 days	
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 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

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#### RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

#### **Atmospheric exposure conditions**

- Previous coat (polyurethane) must be dry and free from any contamination
- Stainless steel, non-ferrous metal should be sufficiently roughened by light sanding followed by degreasing with solvent or cleaner

### Substrate temperature and application conditions

- Substrate temperature during application at -5°C (23°F) is acceptable; provided the substrate is free from ice and dry
- Substrate temperature during application and curing down to -5°C (23°F) is acceptable
- Relative humidity during application and curing should not exceed 85%

### **INSTRUCTIONS FOR USE**

#### Mixing ratio by volume: base to hardener 5.67:1

- The temperature of the mixed base and hardener should be above 10°C (50°F), otherwise extra thinner may be required to obtain application viscosity
- · Adding too much thinner results in reduced sag resistance and slower cure
- · Thinner should be added after mixing the components

#### Pot life

4 hours at 20°C (68°F)

## Note:

- See ADDITIONAL DATA - Pot life

### Air spray

### **Recommended thinner**

THINNER 21-06

#### Volume of thinner

10 - 12%, 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.)

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**Brush/roller** 

**Recommended thinner** 

THINNER 21-06

Volume of thinner

0 - 5%

### Cleaning solvent

THINNER 21-06

## **ADDITIONAL DATA**

Spreading rate and film thickness			
DFT	Theoretical spreading rate		
35 μm (1.4 mils)	14.3 m²/l (573 ft²/US gal)		
50 μm (2.0 mils)	10.0 m²/l (401 ft²/US gal)		

Overcoating interval for DFT up to 35 µm (1.4 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	48 hours	30 hours	16 hours	9 hours	6 hours	4 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

## Note:

- Surface should be dry and free from any contamination

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Curing time for DFT up to 35 µm (1.4 mils)				
Substrate temperature	Dry to handle	Full cure		
-5°C (23°F)	48 hours	20 days		
0°C (32°F)	24 hours	16 days		
10°C (50°F)	12 hours	10 days		
20°C (68°F)	6 hours	7 days		
30°C (86°F)	5 hours	5 days		
40°C (104°F)	3 hours	3 days		

#### Note:

- Adequate ventilation must be maintained during application and curing

Pot life (at application viscosity)			
Mixed product temperature	Pot life		
10°C (50°F)	6 hours		
20°C (68°F)	4 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

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#### **WARRANTY**

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