

PPG AQUACOVER™ 80

(SIGMA AQUACOVER™ 80)

DESCRIPTION

Waterborne, high-build acrylic coating

PRINCIPAL CHARACTERISTICS

- Fast-drying
- Single coat application
- Excellent adhesion to various types of old- or weathered paints
- Excellent elongation (flexible)
- Available in a MIO version
- Can be overcoated with dispersion paints
- Reduced explosion risk and fire hazard

COLOR AND GLOSS LEVEL

- White, RAL 7032 (other colors available on request)
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.2 kg/l (10.0 lb/US gal)
Volume solids	45 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 29.0 g/kg max. 35.0 g/l (approx. 0.3 lb/US gal)
Recommended dry film thickness	150 - 300 µm (6.0 - 12.0 mils) per coat
Theoretical spreading rate	3.0 m ² /l for 150 µm (120 ft ² /US gal for 6.0 mils) 1.5 m ² /l for 300 µm (60 ft ² /US gal for 12.0 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 4 hours Maximum: Unlimited
Shelf life	At least 18 months when stored cool and dry

Notes:

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



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Marine Coatings**

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel; blast cleaned to ISO-Sa2 or power tool cleaned to ISO-St2 for good corrosion protection
- Previous coat must be sound, dry and free from any contamination
- Substrate must be dry, free from salts and any contamination

Substrate temperature and application conditions

- Substrate temperature during application and curing should be above 5°C (41°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application should not exceed 80%, and good ventilation is required

INSTRUCTIONS FOR USE

- Stir well before use
- The temperature of the paint should preferably be above 15°C (59°F)
- Too much tap water results in reduced sag resistance

Airless spray

Recommended thinner

Tap water

Volume of thinner

0 - 5%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.48 – 0.58 mm (0.019 – 0.023 in)

Nozzle pressure

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

Brush/roller

Recommended thinner

Tap water

Volume of thinner

0 – 5%

Cleaning solvent

Tap water and THINNER 70-05

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Cleaning procedures

- Pulsator filter and tip filter must be taken out of the equipment and cleaned properly
- The following tables illustrate the cleaning procedure of the spray equipment when changing from spraying with solvent-borne paint to waterborne paints (table 1) and from waterborne paints to solvent-borne paints (table 2)

Table 1: Cleaning procedure from solvent-borne to waterborne paints

Steps	Cleaning text
1st cleaning	THINNER 90-53
2nd cleaning	THINNER 70-05
3rd cleaning	With warm tap water of 30°C (86°F) to 35°C (95°F) after which waterborne paints can be sprayed

Table 2: Cleaning procedure from waterborne to solvent-borne paints

Steps	Cleaning text
1st cleaning	Warm tap water of 30°C (86°F) to 35°C (95°F)
2nd cleaning	THINNER 70-05
3rd cleaning	THINNER 90-53

ADDITIONAL DATA

Overcoating interval for DFT up to 150 µm (6.0 mils)

Overcoating with...	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
itself and waterborne finishes	Minimum	6 hours	4 hours	3 hours	2 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 150 µm (6.0 mils)

Substrate temperature	Dry to touch	Dry to handle
10°C (50°F)	1.5 hours	2.5 hours
20°C (68°F)	1 hour	2 hours
30°C (86°F)	45 minutes	1.5 hours
40°C (104°F)	30 minutes	1 hour



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SAFETY PRECAUTIONS

- Although this is a waterborne paint, care should be taken to avoid inhalation of spray mist, 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

• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430

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