



# New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

# PPG AQUACOVER™ ONE 625

## DESCRIPTION

One-component, waterborne acrylic zinc phosphate primer

## PRINCIPAL CHARACTERISTICS

- Primer for interior accommodations, machinery spaces and engine rooms
- Particularly suitable when solvents are not permitted because of health and safety reasons
- Excellent adhesion to various types of old- or weathered coatings
- Good adhesion to steel
- Good anticorrosive properties
- Fast-drying and recoatable
- Allows safer working during hull outfitting of new-buildings

## COLOR AND GLOSS LEVEL

- Offwhite
- Flat

## BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	One
Mass density	1.2 kg/l (10.0 lb/US gal)
Volume solids	42 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 4.0 g/kg
Recommended dry film thickness	50 - 75 µm (2.0 - 3.0 mils) per coat
Theoretical spreading rate	8.8 m <sup>2</sup> /l for 50 µm (353 ft <sup>2</sup> /US gal for 2.0 mils) 5.9 m <sup>2</sup> /l for 75 µm (235 ft <sup>2</sup> /US gal for 3.0 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 6 hours Maximum: Unlimited
Shelf life	At least 18 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

### Substrate conditions

- Steel; blast cleaned to ISO-Sa2½, blasting profile 40 – 70 µm (1.6 – 2.8 mils) or power tool cleaned to min. ISO-St3
- Steel with approved shop primer; sweep blasted to SPSS-Ss or power tool cleaned to SPSS-Pt2
- Compatible previous coat must be dry and free from any contamination

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### Substrate temperature and application conditions

- Substrate temperature during application should be above 10°C (50°F)
- Substrate temperature during application should be at least 3°C (5°F) above dew point
- Relative humidity during application should not exceed 75%

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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
- Too much tap water results in reduced sag resistance
- Adequate ventilation must be maintained during application and curing
- Must be protected from freezing at all times during storage and/or transport

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### 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.)

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### Brush/roller

- Long haired brush or polyether roller with rounded edges

#### **Recommended thinner**

Tap water

#### **Volume of thinner**

0 - 5%

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# PPG AQUACOVER™ ONE 625

## Cleaning solvent

Tap water and THINNER 40-25

## 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 40-25
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 40-25
3rd cleaning	THINNER 90-53

## ADDITIONAL DATA

### Spreading rate and film thickness

DFT	Theoretical spreading rate
50 µm (2.0 mils)	8.8 m <sup>2</sup> /l (353 ft <sup>2</sup> /US gal)
75 µm (3.0 mils)	5.9 m <sup>2</sup> /l (235 ft <sup>2</sup> /US gal)

Note: Maximum DFT when brushing: 50 µm (2.0 mils)

### Overcoating interval for DFT up to 75 µm (3.0 mils)

Overcoating with...	Interval	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself, and AQUACOVER ONE 645	Minimum	8 hours	6 hours	4 hours
	Maximum	Unlimited	Unlimited	Unlimited

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## Curing time for DFT up to 75 µm (3.0 mils)

Substrate temperature	Dry to touch
10°C (50°F)	2 hours
20°C (68°F)	1 hour

## SAFETY PRECAUTIONS

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

## WARRANTY

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