



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.

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PPG AQUACOVER™ PEEL COAT

DESCRIPTION

One-component, spray applied, peelable water-borne coating

PRINCIPAL CHARACTERISTICS

- A temporary peelable protective coating to protect from damage or contamination
- Easy removal due to superior film strength and durability
- Suitable for protection of cured paints, unpainted or non-ferrous substrate like TSA, aluminum or stainless steel
- Non-toxic and non-flammable wet paint

COLOR AND GLOSS LEVEL

- Sky blue
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	One
Mass density	1.1 kg/l (8.8 lb/US gal)
Volume solids	43 ± 2%
VOC (Supplied)	max. 0.0 g/l (approx. 0.0 lb/US gal)
Recommended dry film thickness	125 - 200 µm (5.0 - 8.0 mils)
Theoretical spreading rate	3.4 m ² /l for 125 µm (138 ft ² /US gal for 5.0 mils)
Dry to touch	30 minutes
Overcoating Interval	Minimum: 48 hours Maximum: Unlimited See overcoating tables
Dry to walk on	2 hours
Shelf life	At least 12 months when stored cool and dry

Note: See ADDITIONAL DATA – Spreading rate and film thickness

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- When PPG AQUACOVER PEEL COAT is applied on coated surface, coating materials should be cured sufficiently not to affect gloss and color. Please consult your PPG representative



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Substrate temperature

- Substrate temperature during application should be at least 3°C (5°F) above dew point
 - Substrate temperature during application should be between 5°C (41°F) and 40°C (104°F)
 - Relative humidity during application should not exceed 80%, and good ventilation is required
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INSTRUCTIONS FOR USE

- Stir well before use
 - Minimum 100 microns dft must be achieved, anything less may result in the product becoming difficult to remove
 - When it needs to peel off below 0°C (32°F), minimum 200 microns dft is recommended
 - Storage temperature should be between 4°C to 38°C (40°F to 100°F). DO NOT ALLOW TO FREEZE
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Air spray

Recommended thinner

No thinner should be added

Nozzle orifice

1.5 – 2.5 mm (approx. 0.060 – 0.100 in)

Nozzle pressure

0.4 - 0.6 MPa (approx. 4 - 6 bar; 58 - 87 p.s.i.)

Airless spray

Recommended thinner

No thinner should be added

Nozzle orifice

Approx. 0.43 – 0.53 mm (0.017 – 0.021 in)

Nozzle pressure

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

Brush/roller

- Brush is allowed only for spot area, multiple coats may be required to achieve minimum 100 microns dft
 - Lambswool roller is recommended for roller application. Apply multiple coat to achieve minimum 100 microns dft, allowing previous coat to tack off
 - Brush and roll application may result in uneven film build, which may lead to make difficult to peel off due to low dft area
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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

Spreading rate and film thickness

DFT	Theoretical spreading rate
125 µm (5.0 mils)	3.4 m ² /l (138 ft ² /US gal)
150 µm (6.0 mils)	2.9 m ² /l (115 ft ² /US gal)
200 µm (8.0 mils)	2.2 m ² /l (86 ft ² /US gal)

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

Previous coat like epoxies or urethanes should be cured as below before applying PPG AQUACOVER PEEL COAT

Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
recommended topcoats	Minimum	5 days	3 days	48 hours	48 hours	24 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

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Curing time for DFT up to 150 µm (6.0 mils)		
Substrate temperature	Dry to touch	Dry to handle/ship
5°C (41°F)	50 minutes	3 hours
10°C (50°F)	40 minutes	2.5 hours
20°C (68°F)	30 minutes	2 hours
30°C (86°F)	20 minutes	1.5 hours
40°C (104°F)	15 minutes	1 hour

Note: The film should peel off after 24-48 hours of normal operation to check the compatibility

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- 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

- | | | |
|--|-------------------|------|
| • CONVERSION TABLES | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |
| • RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE | INFORMATION SHEET | 1650 |

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