New Guard Coatings Group

A global reputation to protect.

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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.

DIMETCOTE® 11

DESCRIPTION

One-component, inorganic zinc silicate coating

PRINCIPAL CHARACTERISTICS

- Heavy duty primer that protects with just a single coat
- Good anticorrosive properties
- Dry heat resistance up to 400°C (750°F)

COLOR AND GLOSS LEVEL

- Gray
- Flat

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	One
Mass density	2.1 kg/l (17.5 lb/US gal)
Volume solids	58 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 263.0 g/kg UK PG 6/23(92) Appendix 3: max. 559.0 g/l (approx. 4.7 lb/US gal)
Recommended dry film thickness	65 µm (2.6 mils)
Theoretical spreading rate	8.9 m^2/l for 65 µm (358 ft^2/US gal for 2.6 mils)
Dry to touch	4 minutes
Overcoating Interval	Minimum: 16 hours See overcoating tables
Shelf life	At least 9 months when stored cool and dry

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

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Atmospheric exposure conditions

- Steel; blast cleaned to ISO Sa 2½ or SSPC-SP-10, blasting profile 35 – 65 µm (1.4 – 2.6 mils)
- Previous coat of approved coating must be dry and free from any contamination

Substrate temperature

- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application should be between 50% and 95%

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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
- Adding too much thinner results in reduced sag resistance

Air spray

Recommended thinner
THINNER 21-06

Volume of thinner
5 - 10%, depending on required thickness and application conditions

Nozzle orifice
1.5 – 3.0 mm (approx. 0.060 – 0.110 in)

Nozzle pressure
0.2 - 0.3 MPa (approx. 2 - 3 bar; 29 - 44 p.s.i.)

Airless spray

Recommended thinner
THINNER 21-06

Volume of thinner
5 - 10%, depending on required thickness and application conditions

Nozzle orifice
Approx. 0.43 mm (0.017 in)

Nozzle pressure
10.0 - 15.0 MPa (approx. 100 - 150 bar; 1451 - 2176 p.s.i.)

Brush/roller

Recommended thinner
THINNER 21-06

Volume of thinner
0 – 3%

Cleaning solvent
THINNER 21-06

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ADDITIONAL DATA

Overcoating interval for DFT up to 65 µm (2.6 mils)			
Overcoating with...	**Interval**	**10°C (50°F)**	**20°C (68°F)**
itself	Minimum	24 hours	16 hours
	Maximum	3 months	3 months

Notes:
- Zinc rich primers can form zinc salts on the surface; preferably they should not be weathered for long periods before overcoating
- An interval of several months can be allowed under clean interior exposure conditions
- In clean exterior conditions, a maximum interval of 14 days can be tolerated, but in industrial or marine conditions this interval should be reduced to the practical minimum
- Before overcoating visible surface contamination must be removed by high-pressure water cleaning, sweep blasting or mechanical cleaning

Curing time for DFT up to 65 µm (2.6 mils)		
Substrate temperature	**Dry to handle**	**Full cure**
10°C (50°F)	10 minutes	30 minutes
20°C (68°F)	7 minutes	20 minutes

Notes:
- Adequate ventilation must be maintained during application and curing
- Drying times are dependent on air and surface temperatures as well as film thickness, ventilation and relative humidity
- Times are proportionally shorter at higher temperature and longer at lower temperatures

SAFETY PRECAUTIONS

- 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

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.

WARRANTY

DIMETCOTE® 11

LIMITATIONS OF LIABILITY

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