

SIGMACOVER™ 211

DESCRIPTION

Two-component, polyamide-cured epoxy primer

PRINCIPAL CHARACTERISTICS

- Epoxy primer in protective coating systems for concrete and sand/cement substrates (floors and walls)
- Can be recoated with most two-component coatings
- Good water resistance
- Fair chemical resistance to spillage and splash
- Resistant to impact and abrasion
- Easy to clean

COLOR AND GLOSS LEVEL

- White
- Eggshell

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	51 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 278.0 g/kg UK PG 6/23(92) Appendix 3: max. 396.0 g/l (approx. 3.3 lb/US gal)
Recommended dry film thickness	35 µm (1.4 mils)
Theoretical spreading rate	14.6 m ² /l for 35 µm (584 ft ² /US gal for 1.4 mils)
Dry to touch	30 minutes
Overcoating Interval	Minimum: 16 hours Maximum: 10 days
Full cure after	7 days
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

Notes:

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

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- Dried for at least 28 days in good ventilation conditions
 - Moisture content should not exceed 4.5%
 - Concrete must be sound, dry, free from laitance and any contamination
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Substrate temperature and application conditions

- Substrate temperature during application and curing should be above 5°C (41°F)
 - Substrate temperature during application should be at least 3°C (5°F) above dew point
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INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 75:25 (3:1)

- 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 and slower cure
 - Thinner should be added after mixing the components
 - For impregnation of concrete 30% thinner should be added
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Induction time

None

Pot life

14 hours at 20°C (68°F)

Note: See ADDITIONAL DATA – Pot life

Air spray

Recommended thinner

THINNER 91-92

Volume of thinner

10 - 20%, depending on required thickness and application conditions

Nozzle orifice

1.5 – 2.0 mm (approx. 0.060 – 0.079 in)

Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

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Airless spray

Recommended thinner

THINNER 91-92

Volume of thinner

10 - 20%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.33 mm (0.013 in)

Nozzle pressure

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

Brush/roller

Recommended thinner

THINNER 91-92

Volume of thinner

5 - 10%

Cleaning solvent

THINNER 90-53

ADDITIONAL DATA

Overcoating interval for DFT up to 35 µm (1.4 mils)					
Overcoating with...	Interval	10°C (50°F)	15°C (59°F)	20°C (68°F)	30°C (86°F)
most two-component coatings	Minimum	48 hours	24 hours	16 hours	8 hours
	Maximum	21 days	14 days	10 days	7 days

Note: Surface should be dry and free from any contamination before recoating

Curing time for DFT up to 35 µm (1.4 mils)			
Substrate temperature	Dry to touch	Dry to handle	Full cure
10°C (50°F)	1 hour	4 hours	14 days
15°C (59°F)	45 minutes	3 hours	10 days
20°C (68°F)	30 minutes	2 hours	7 days
30°C (86°F)	20 minutes	1 hour	5 days

Note: Adequate ventilation must be maintained during application and curing

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Pot life (at application viscosity)	
Mixed product temperature	Pot life
15°C (59°F)	16 hours
20°C (68°F)	14 hours
30°C (86°F)	8 hours

SAFETY PRECAUTIONS

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

REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
• DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434
• SURFACE PREPARATION OF CONCRETE (FLOORS)	INFORMATION SHEET	1496
• RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

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