

SIGMA EMALINE 3000

7102

a two page issue

January 2003
revision of 12-1999

DESCRIPTION	high build bituminous coating
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - a high build protective coating for steel, concrete and fibre cement - good resistance to sea water and freshwater - used to protect void spaces, cofferdams, steelwork behind linings and pipes - sag resistance 3 mm
COLOURS AND GLOSS	black - flat
BASIC DATA AT 20°C	(1 g/cm ³ = 8.25 lb/US gal; 1 m ² /l = 40.7 ft ² /US gal)
Mass density	approx. 1.2 g/cm ³
Solids content	approx. 57 % by volume
VOC (supplied)	max. 3.0 lb/gal - 361 g/l
Recommended dry film thickness	250-500 µm depending on system
Theoretical spreading rate	2.3 m ² /l for 250 µm, 1.1 m ² /l for 500 µm
Touch dry after	8 hours at 5 - 10°C, 6 hours at 20°C, 4 hours at 30°C, 3 hours at 40°C
Overcoating interval	min. 8 hours at 5 - 20°C max. unlimited
Shelf life (cool and dry place)	at least 12 months
Flash point	35°C
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> - steel; blast cleaned to ISO-Sa2½ - steel; power tool cleaned to minimum ISO-St2 - previous coat; dry and free from any contamination - substrate temperature should be at least 3°C above dew point
SYSTEM SPECIFICATION	marine system sheet 3108
INSTRUCTIONS FOR USE	<ul style="list-style-type: none"> - stir well before use - the temperature of the paint should preferably be above 15°C otherwise extra thinner may be required to obtain application viscosity - too much solvent results in reduced sag resistance - adequate ventilation must be maintained during application and curing (please refer to sheet 1433 and 1434)
AIRLESS SPRAY	
Recommended thinner	Sigma thinner 20-05
Volume of thinner	0 - 5 %, depending on required thickness and application conditions
Nozzle orifice	approx. 0.58 mm (= 0.023 in)
Nozzle pressure	12 - 15 MPa (= 120 - 150 bar, 1700 - 2130 p.s.i.)



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AIR SPRAY

Recommended thinner	Sigma thinner 20-05
Volume of thinner	5 - 10 %, depending on required thickness and application conditions
Nozzle orifice	2 - 3 mm
Nozzle pressure	0.3 - 0.4 MPa (= approx. 3 - 4 bar, 43 - 57 p.s.i.)

BRUSH/ROLLER

	only for touch up and spot repair
Recommended thinner	Sigma thinner 20-05 (flash point 38°C)
Volume of thinner	0 - 5%

CLEANING SOLVENT

Sigma thinner 20-05

SAFETY PRECAUTIONS

for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets

this is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes

Worldwide availability

Whilst it is always the aim of Sigma Coatings to supply the same product on a worldwide basis, 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	see information sheet 1411
Safety indications	see information sheet 1430
Safety in confined spaces and health safety	
Explosion hazard - toxic hazard	see information sheet 1431
Safe working in confined spaces	see information sheet 1433
Directives for ventilation practice	see information sheet 1434

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