SIGMA FLOORGUARD TOPCOAT | 0676

A two sheet issue

DESCRIPTION	two component chemical resistant polyamide cured epoxy intermediate or final coat for Sigma Floorguard system.
PRINCIPAL CHARACTERISTICS	- general multi purpose coating - good flow properties - can be used as self-primed coating - good water resistance - resistant to splash and spillage of mild chemicals and solvents - good abrasion and impact resistance - anti-skid properties can be achieved in several ways - easy to clean
COLOUR AND GLOSS	see Sigma P.C. colour card – gloss
BASIC DATA AT 20 °C	(for mixed product)
Mass density	approx. 1.4g/cm^3
Solids content	approx. 53% by volume
Recommended dry film thickness	50 - 100 µm
Theoretical spreading rate	6.6 m^2/ltr for a dft of 80 µm* depending on the nature, roughness and condition of the substrate and the application method employed
Touch dry after	approx. 3 hours
Overcoating interval	min. 10 hours* max. 3 months*
Full cure after	7 days
Shelf life (cool,dry place)	12 months
Flashpoint	base 27 °C - hardener 28 °C
Available pack size	5 ltr, 20 ltr

*see additional data

please turn

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RECOMMENDED SUBSTRATE CONDITIONS

- previous coat of Sigma Floorguard Sealer or primer must be sound, dry and free from any contamination
- if previous coat is exposed longer it should be roughened prior to application of next coat
- substrate and ambient temperature should be min. 10 °C and max. 30 °C during application and curing
- relative humidity should be not exceed 85%
- substrate temperature should be above 5 °C and at least 3 °C above the dew point

INSTRUCTIONS FOR USE

- mixing ratio: base : hardener
  by volume: 76 : 24
- the temperature of the mixed base and hardener should be above 15 °C, otherwise extra solvent may be required to obtain the correct application viscosity
- too much solvent will result in lower sag resistance and slower cure
- thinner should only be added after proper mixing of the base and hardener

Induction time at 20 °C 10 minutes

Potlife at 20 °C 8 hours*

METHOD OF APPLICATION

AIRLESS SPRAY

Recommended thinner	91-92 (flashpoint 20 °C)
Volume of thinner	5 - 10%
Nozzle orifice	approx. 0.48 mm (0.019 inch)
Nozzle pressure	150 bar (approx. 2100 p.s.i.)

AIR SPRAY

Recommended thinner	91-92 (flashpoint 20 °C)
Volume of thinner	5 - 10%
Nozzle orifice	1.5- 3.0 mm
Nozzle pressure	3 - 4 bar (approx. 43 - 57 p.s.i.)

BRUSH AND ROLLER

Recommended thinner	91-92 (flashpoint 20 °C)
Volume of thinner	0 - 5%

CLEANING SOLVENT 90-53 (flashpoint 30 °C)

see sheet two

Sheet two

PHYSICAL DATA	For cured material
Impact resistance (ISO 6272:93)	Pass
Adhesion strength (ASTM D4541:85)	>3.00 N/mm^2
Chemical resistance	See chemical resistance sheet

SAFETY PRECAUTIONS

see safety sheet 1570 for information on LEL and TLV values

ADDITIONAL DATA

Overcoating table with epoxy paint

Substrate temperature	20 °C	30 °C	40 °C
minimum interval	8 hours	6 hours	5 hours
maximum interval	3 months	2 months	1 month

Sigma Floorguard Finish

minimum interval	8 hours	6 hours	4 hours
maximum interval	7 days	7 days	7 Days

surface should be dry and free from chalking and any contamination, for intervals exceeding the maximum overcoating interval, the surface has to be roughened sufficiently before overcoating.

Curing table

Substrate temperature	Dry to handle	Full cure
20 °C	18 hours	7 days
30 °C	12 hours	5 days
40 °C	8 hours	3 days

Pot life at application viscosity; these figures are valid for approx. 5 ltr

Paint temperature	Pot life
20 °C	8 hours
30 °C	6 hours
40 °C	4 hours

REFERENCES explanation to product data sheets on information sheet 1551