SIGMA FLOORGUARD FINISH SEMI GLOSS | 0680

A two sheet issue

DESCRIPTION	two component aliphatic acrylic polyurethane semi gloss finish coat for Sigma Floorguard system.
PRINCIPAL CHARACTERISTICS	- excellent resistance to atmospheric exposure condition - excellent colour and gloss retention - non-chalking - non-yellowing and UV resistance - resistant to splash of mild chemicals and aliphatic petroleum products - good abrasion and impact resistance - good application properties - easy to clean
COLOUR AND GLOSS	see Sigma colour card – semi gloss
BASIC DATA AT 20 °C	(for mixed product)
Mass density	approx. 1.4g/cm^3
Solids content	approx. 58% ±2by volume
Recommended dry film thickness	50 - 75 µm depending on system
Theoretical spreading rate	11.6 m^2/ltr for a dft of 50 µm* depending on the nature, roughness and condition of the substrate and the application method employed
VOC (supplied)	383 g/l (white)
Touch dry after	approx. 1 hours
Overcoating interval	min. 6 hours* max. unlimited
Full cure after	4 days
Shelf life (cool,dry place)	12 months
Flashpoint	base 26 °C - hardener 42 °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 system must be sound, dry and free from any contamination and sufficiently roughened
- 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: 88 : 12
- the temperature of the mixed base and hardener should be above 10 °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 none

Potlife at 20 °C 5 hours*

METHOD OF APPLICATION

AIRLESS SPRAY

Recommended thinner	21-06 (flashpoint 20 °C)
Volume of thinner	0 - 5% depending on required thickness and application conditions
Nozzle orifice	approx. 0.46 mm (= 0.018 inch)
Nozzle pressure	15 MPa (= approx. 150 bar; 2130 p.s.i.)

AIR SPRAY

Recommended thinner	21-06 (flashpoint 20 °C)
Volume of thinner	5 - 10% depending on required thickness and application conditions
Nozzle orifice	1- 1.5 mm
Nozzle pressure	0.3 – 0.4 MPa (approx. 3 – 4 bar; 43 - 57 p.s.i.)

BRUSH AND ROLLER

Recommended thinner	21-06 (flashpoint 20 °C)
Volume of thinner	0 - 5%

Note:

- for application use a 25 cm wide short haired fleece roller.
- spread the coating well.
- to avoid flashing and roller marking roll again within 5 min using 50 cm wide shirt haired fleece roller, make sure the roller does not release or pick up any paint. Roll slow and with little pressure only.

CLEANING SOLVENT 90-53 (flashpoint 30 °C)

see sheet two

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Sheet two

SAFETY PRECAUTIONS

see safety sheet 1570 for information on LEL and TLV values

ADDITIONAL DATA

Overcoating table with Sigma Floorguard Finish

Substrate temperature	10 °C	20 °C	30 °C	40 °C
Minimum interval	8 hours	6 hours	5 hours	3 hours
Maximum interval	unlimited			

surface should be dry and free from chalking and any contamination

Curing table

Substrate temperature	**Dry to handle**	**Full cure**
20 °C	6 hours	4 days
30 °C	5 hours	3 days
40 °C	3 hours	2 days

- adequate ventilation must be maintained during application and curing
- premature exposure to early condensation and rain may cause color and gloss change

Potlife at application viscosity;

Paint temperature	**Pot life**
20°C	5 hours
30°C	3 hours
40C	2 hours

REFERENCES

explanation to product data sheets on information sheet 1551

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