The information in this data sheet is to the best of our knowledge correct at the date of printing. The company reserves the right to modify data without notice. Any change in data will normally be followed by issue of a new data sheet. The user should check the date of printing and if more than 12 months have elapsed, then the data should only be used after checking with our nearest sales office to establish that they are still valid. Since conditions of application and service may be beyond our control, no liability can be accepted on the basis of this data.

SIGMADUR FINISH HIGH GLOSS

January 2014

DESCRIPTION

two component acrylic polyurethane, finish for application over primed concrete, metals and textured surfaces

PRINCIPAL CHARACTERISTICS

- for interior and exterior use
- unsaponifiable and alkaline resistant
- excellent resistance to atmospheric exposure
- excellent colour and gloss retention
- excellent U.V. resistance
- anti-carbonation properties
- excellent non yellowing properties
- resistant to water, splash and spillage of mild chemicals and solvents
- abrasion resistance
- easy to apply by brush and roller

COLOUR AND GLOSS

available in clear and in colours from the Sigma Standard Colour Selection - high gloss

BASIC DATA AT 20 °C

( for mixed product )

Mass density
approx. 1.2g/cm³ (depending on colour)

Solids content
approx. 55% by volume (depending on colour)

Recommended DFT
50 µm

Theoretical spreading rate
11 m²/ltr for 50 µm depending on the nature and condition of the substrate and the application method employed

Touch dry after
approx. 2 hours

Overcoating interval
min. 16 hours
max. no limitations

Full cure after
7 days

Shelf life (cool, dry place)
12 months

Flashpoint
base 27 °C and hardener 28 °C

Available pack size
5 ltr, 20 ltr

RECOMMENDED SUBSTRATE CONDITIONS

new primed substrates
- dry and free from surface contamination
- within the over-coating interval of the primer applied
- abraded prior to application

please turn
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SIGMADUR FINISH HIGH GLOSS

January 2014

SYSTEM SPECIFICATION

Recommended primer - appropriate to substrate type and compatible with polyurethane

Recommended finish - applied in 2 coats @ 50µm dft per coat

Intermediate texture option - for over-coating of Sigma Textures, the first coat should be diluted 10% with thinner 21-22 with the second coat undiluted

Application limitations - the minimum allowable substrate temperature is 5 °C - maximum humidity during application and curing is 85%

INSTRUCTIONS FOR USE

- mixing ratio: by volume; base to hardener 88 : 12
- 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 none

Potlife at 20 °C 5 hours

METHOD OF APPLICATION

AIRLESS SPRAY
Recommended thinner 21-22 (flashpoint 50 °C)
Volume of thinner 0 - 20%

AIR SPRAY
Recommended thinner 21-22 (flashpoint 50 °C)
Volume of thinner 10 - 20%

BRUSH AND ROLLER
Recommended thinner 21-22 (flashpoint 50 °C)
Volume of thinner 0 - 10%

CLEANING SOLVENT
Recommended thinner 21-22 (flashpoint 50 °C)

SAFETY PRECAUTIONS
see safety sheet 1570 for information on LEL and TLV values

REFERENCES
explanation to product data sheets on information sheet 1551