



SISCOOTHANE AC

POLYURETHANE COATING

Product Description

A two component, aliphatic isocyanate cured acrylic polyurethane with high gloss or matt finish. It is a high performance finishing coat for various substrates such as metal and concrete floor. It's small particle size to penetrate into concrete that promoted adhesion properties.

Uses

Recommended for use as topcoat on steel and concrete subject to medium corrosive environment for indoor and outdoor e.g. industrial area.

Specific Properties

- Easy maintenance coating with long term re-coatability properties.
- Excellent gloss retention and overall durability properties.
- Resistance to spillage or splashes of mild chemical.
- Excellent UV resistance due to aliphatic polyurethane chemistry.

Technical Information

Solids (% by volume)	approx. 57%	
Dry Film Thickness	30-50....microns	
Wet Film Thickness	53-88 ...microns	
Flash Point	Base 18°C	
	Hardener 31 °C	
Theoretical Coverage	6-7 m ² /kg	
Mixing ratio	6.7:1 by weight (approx. 5:1 by volume)	
Tear Strength	82.3 kN/m	ASTM D624
Slip Resistance	BS 7976-2:2002	
- Dry Slider	62	
- Wet Slider	30	



SISCOOTHANE AC

POLYURETHANE COATING

Application Data

Application method	Airless spray, Brush, roller
Temperature minimum	0 °C
Humidity Maximum	75% R.H.
Viscosity	35 sec. (Ford Cup No.4)
Dilution Thinner	Thinner No.12 (0-10% by Volume)

Drying Time

Surface Temperature	Touch Dry	Hard Dry	Over Coating Interval		Pot Life
			Minimum	Maximum	
25°C	2 Hrs	10 Hrs	10Hrs	--	12 Hrs
30°C	1 Hrs	6 Hrs	6Hrs	--	8 Hrs
35°C	30 Mins	3 Hrs	3Hrs	--	6 Hrs

Additional

Information

Cleaning Solvent	Thinner No.12
Packaging	Two pack product 4 or 20 kg/set
Preferable Preceding Coats	Siscofloor 105HB, Siscoguard Zinc Phosphate
Middle Coats	Siscoguard Undercoat, Siscoguard finish

Surface Preparation

1. Substrates should be at least 28 days old and have a moisture content not exceeding 8%
2. Surface should be sound, dry, clean, free from dust, laitance, oil, grease or any contaminations.



SISCOOTHANE AC

POLYURETHANE COATING

Surface Preparation

3. Laitance deposits are removed by planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust and debris.
4. If the moisture content is greater than 8%, Siscofloor MBS must be applied as concrete moisture barrier.

Mixing and Application

1. The entire content of the Component B should be added to the Component A and mixed together for 2-3 minutes until homogeneous by slow-speed mixing drill with dispersing type propeller to avoid air intake to the mixed.
2. Apply by brush, roller, or spray on the prepared surface.
3. Leave to dry at least 3 hours but not over 24 hours before apply the subsequent coating.

Storage

Store in a cool dry place, protect from direct sunlight.

Safety Precaution

Ensure that there is adequate ventilation in the area where the product is being applied. Do not breath vapour or spray. In case of touch skin, wash skin thoroughly soap and water. In case of accidental eyes splashes, flush eyes with warm water immediately and obtain medical advice.

Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.