



FLOORGUARD 5500

SELF LEVELING EPOXY FLOORING (SOLVENT-FREE)

Product Description

A two component epoxy for flooring applications. It is specially formulated to provide a smooth-seamless, truly level floor surface with excellent chemical and hard wearing resistance.

Uses

Recommended for production areas, stores, warehouses, clean rooms, garages, showroom, laboratories, commercial areas, hospitals, etc.

Specific Properties

- Smooth-seamless and high gloss finish
- Excellent mechanical and chemical resistance
- Easy to clean and maintenance
- Suitable for applied at 1000-3000 microns DFT.
- Solvent free – no aids ventilation required during application

Technical Information

Solids (% by volume)	approx.. 100...%	
Dry Film Thickness	1000-3000 micron	
Wet Film Thickness	1000-3000 micron	
Flash Point	> 90 °C	
Theoretical Coverage	1.4 kg/m ² /mm	
Gloss	Gloss	
Compressive Strength	75.80 N/mm ²	ASTM C109
Tensile Strength	17.06 N/mm ²	ASTM D 412-06 a
Bond Strength by slant shear	14.27 N/mm ²	ASTM C882
Flexural Strength	33.67 N/mm ²	ASTM C348
Abrasion resistance	0.08 g (loss weight)	
Hardness (shore D)	> 75	
Water absorption	0	



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Application Data

Equipment	Trowel, squeegee and spike roller
Temperature Minimum	5 °C
Humidity Maximum	Not Over 70% R.H.
Mixing Ratio	4 Base : 1 Hardener (by weight)

Drying time

Surface Temperature	Touch Dry	Hard Dry	Over Coating Interval		Pot Life
			Minimum	Maximum	
25 °C	8 Hrs	24 Hrs	24 Hrs	--	50 Mins
30 °C	6 Hrs	20 Hrs	16 Hrs	--	40 Mins
35 °C	4 Hrs	16 Hrs	12 Hrs	--	30 Mins

Curing Completely after 7days.

Addition Information

Cleaning Solvent	Thinner No.9
Packaging	5 kg. (A+B) 25 kg. (A+B)
Primer	Siscofloor 105HB, Siscofloor MBS
Middle-Coat	Siscofloor 1200(L), Siscofloor Putty
Top-Coat	Floorguard 5500

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.



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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. Pre-mix Part A (color) by mixing drill for 2-3 minutes until homogeneous.
2. Add Part B (hardener) into Part A, mix by slow speed mixer 2-3 minutes or until mixture is homogeneous.
3. Pour the whole of the mixed material onto the floor.
4. Use trowel or squeegee to spread material to the prepared substrate.
5. Roll with spike roller to release air bubbles and help the mixture to level.

** mixing drill must be dispersion type propeller to avoid air intake to the mix.**

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.