



SISCOCRETE HF

HEAVY-DUTY POLYURETHANE CONCRETE

Product Description

A 3-component, non-slip polyurethane concrete floor. Product designed for application for 6-9 mm thick. It is suit for use in the areas requiring a non-slip finish, hygienic, seamless, thermal shock resistance and impermeable finish for water and chemical spillages.

Uses

Food & beverage factories, kitchens, bakeries & confectioneries, food processing plants, pharmaceuticals & textile industries, laboratories & hospitals, chemical plants and cold storage.

Specific Properties

- Non-slip, seamless finish
- Thermal shock resistance suit for food and beverage industry
- Fast access time after installation (6 hours-walk on, 7 days-full service)
- Excellent mechanical and chemical resistance
- Will not promote bacteria, mold, and fungi growth
- Breathable finished-allow vapor to evaporate
- Service temperature -40°C to +140°C (9 mm thick)
- Easy to clean and maintenance

Technical Information

Color	Green, Grey, Yellow, Red, Blue	
Specific Gravity	2.00±0.05	
Pot life	15 minutes	
Compressive Strength	427.77 ksc	ASTM C109
Tensile Strength	4.93 N/mm ²	ASTM C307-03
Bond Strength (Pull off)	26.15 ksc	Pull-off Method
Flexural Strength	9.8 N/mm ²	ASTM C348
Abrasion resistance	0.39 g (loss weight)	ASTM C944-99
Hardness (shore D)	> 82	
Slip resistance	Dry 69, Wet 59	



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Application Data

Equipment	Trowel
Temperature Minimum	minimum 10 °C ,
Humidity of concrete	max. 20% , no rising of moisture on concrete surface
Humidity Maximum	Not Over 70% R.H.
Recommended thickness	6-9 mm
Cleaning Solvent	Thinner
Drying Time (light traffic)	12 hours (depend on ambient temperature)
Full Cure	7 days.
Theoretical Coverage	2.0 kg/m ² /mm (approx.)
Priming	Scratch coat of SISCOCRETE SC or MF must be applied as primer for 1-2 coats depending on porosity of concrete.

Additional Information

Packaging	30 kgs. (A+B+C) Part A 3 KG. Part B 3 KG. Part C 24 KG.
Part A	Milky white liquid
Part B	Dark brown liquid
Part C	Colored powder (see catalog)

Surface Preparation

1. Substrates should be at least 28 days old and compressive strength must more than 280 ksc.
2. Surface should be sound, dry, clean, free from dust, laitance, oil, grease or any contaminations.



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Surface Preparation

3. Laitance deposits are removed by planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris.
4. Applied scratch coat of Siscocrete SC or Siscocrete MF as priming coat 1-2 times depending on porosity of concrete substrate.
5. Make a T-lock cut along the concrete joint, along the edge of the room, and around the base machines, around poles, or around the edges of gutters to create additional locking lines.

**** Detail of surface preparation, please contact technical representative or see more in method of application.****

Mixing and Application

1. Add part A to a clean mixing container follow with part B then mix with helical mixer for 30 seconds.
2. Add part C and mix for further 60-90 seconds until homogeneous mixed is achieved.
3. Pour the full contents of the mixed material onto the floor immediately after mixing is completed. Spread mixed material with trowel.
4. Scrap out of residue from the previous mix before continue the next mix.

Storage

Store in a cool dry place, protect from direct sunlight (shelf life 3-6 months)

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.



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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.