

DESCRIPTION

S-CRETE HF is a 4 component polyurethane trowel applied in thickness of 6-9 mm screed. For industrial application and repairing system in matt anti-skid finish offering versatility in performance, aesthetics and economics.

USES

Ideal area of application includes hygienic floor for kitchen, wetfood, beverage processing and packaging plants. Chemical resistance flooring for chemical process, containment area and wash down rooms. Thermal shock resistance flooring for freezers, refrigerators, and oven installed spaces. Mechanically durable flooring for loading docks and warehouses. Anti - skid finish for safety in oily / slippery service condition.

BENEFITS

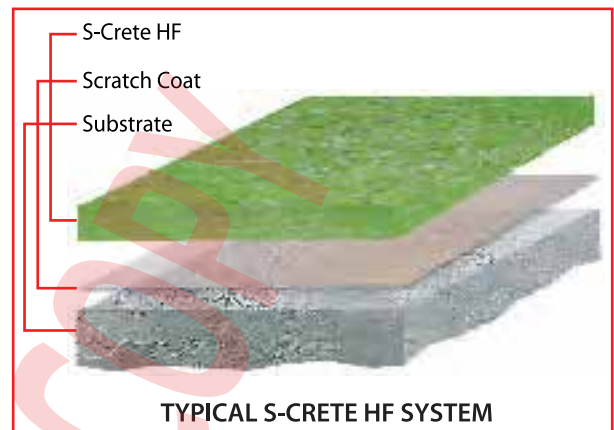
- Anti-skid surface for safety
- Resists bacterial growth; fungi, mold and mildew
- Easily cleaned and maintained smooth seamless surface
- High-density systems with maximum wear, abrasion and impact resistance
- User-friendly, no solvent odour during installation
- One of the fastest "turnaround time" polymer modified product which reduces cost
- High temperature resistance up to 130°C at 6mm thickness
- Seamless without joints for optimum sanitation and hygienic finish
- Meets Japanese Standard JISZ 2801:2000, 5.2

COLOR

Available in six standard colors:

Red, Green, Cream, Light Grey, Dark Grey and Brown Beige.

** Light yellowing of the resin may occur if exposed to Ultra-Violet light but without affecting its functionality.*



Technical Data:	
No. of Components	4
Estimated Coverage	12.6kg/m ² /6mm or 2.1kg/m ² /1mm
Mixing Ratio	3:3:14:12 by weight of Part A & Part B & Part C & Part D
Compressive Strength (ASTM C942)	50N/mm ²
Density, kg/mm/m ²	2.2
Tensile strength (ASTM D638-14)	7N/mm ²
Flexural strength (ASTM C348 : 2002)	15N/mm ²
Temperature resistance	130°C
Taber abrasion resistance	1 gms / 1000 gms loading 1000 rpm
Impact resistance	< 0.5 (BRE Screed tester) mm
Dynamic elastic modulus	20000 N/mm ²
Thermal conductivity	1.0W/m°C
Coefficient of thermal expansion, °C (BS EN 1770 : 1998)	2.5X10 ⁻⁵ °C
Pot life	15 min. at 30°C 25 min. at 15°C 35 min. at 8°C
Storage & Shelf Life	unopened in dry conditions between 10°C - 32°C / 1year
Packaging	32kg

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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S-CRETE HF

A HEAVY DUTY, SLIP RESISTANT POLYURETHANE TROWEL APPLIED SCREED

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

SURFACE REQUIREMENT & PREPARATION

Suitable substrates are concrete or modified polymer screeds with a minimum compressive strength of 25N/mm² and pull-off strength of 1.5N/mm².

Substrate to be coated must be clean, free from dust, oil, water, paint residues, loose constituents or any contaminants. Make use of a concrete surface planer, grit blasting, surface grinding or other mechanical means until a flat, rough profile is evident. Prepare grooves, 8mm(wide) x 8mm(deep), at all edges, bay joints columns, doorways, and drains to facilitate mechanical bonding.

MIXING

Add Part A, Polyol, to a clean mixing drum. Add Part B to the drum and mix for 10 seconds until uniform using a helical spinner. Add the pigmented Part C powder and Part D mixed aggregate and stir for 2 minutes to achieve a fully homogenized consistent mortar. Scrap out residue of previous mix from the sides of the drum and discard before the next pack. Stir and mix both content well with high power mixer of 750rpm.

APPLICATION

Apply S-CRETE HF within its pot life.

Spread the composite matrix to thickness of 6-9mm and consolidate with steel trowel to the correct depth as desired. Immediately release any trapped air by spike rolling.

TEMPERATURE

S-CRETE HF should not be applied on material or floor temperatures below 10°C. Temperatures should not fall below 5°C in the first 24hours after application. S-CRETE HF is not designed for immersion.

SERVICE TEMPERATURES:

- At 6 mm : Resistance up to occasional spillage 130°C & for freezer temperatures -25°C
- At 9 mm : Resistance up to occasional spillage 140°C & for freezer temperatures -35°C

CURING

	25°C	35°C
Foot traffic. (hr)	10	8
Light traffic. (hr)	24	18
Full traffic. (hr)	48	24
Full cure. (days)	7	5

SUBSTRATE MOVEMENT

All moving joints must be carried through the S-CRETE HF and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the S-CRETE HF will reflect the cracks.

CHEMICAL RESISTANCE

S-CRETE HF will resist spillages of:

- > Dilute and concentrated acids: hydrochloric, nitric, phosphoric and sulphuric.
- > Dilute and concentrated alkalis, including sodium hydroxide to 50% concentration.
- > Most dilute and concentrated organic acids.
- > Fats, oil and sugar.
- > Mineral oils, kerosene, gasoline and brake fluids.
- > Most organic solvents.

CLEANING

Clean all tools with acetone, xylene or other solvents before the material hardens. Small unreacted Part B in container is to be decontaminated with a 5% solution of washing soda (sodium carbonate) prior to disposal. After material has set it is virtually impossible to get off and will only wear off over time.

MAINTENANCE

Regular cleaning and maintenance will prolong the life of all resin floors, enhance the appearance and reduce the tendency to retain dirt.

HEALTH & SAFETY

The finished system is assessed as non-hazardous to health and the environment. S-CRETE HF is HACCP International certified. The long service life and seamless surface reduce the need for repairs and maintenances.

FURTHER INFORMATION

CEMKRETE is the leading supplier of engineered construction products in South East Asia. Our full line of products includes industrial polymer floor and wall coatings, waterproofing, structural repair materials, and other specialty protective coatings. Your solution provider to solve any building needs.

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