

PRODUCT DESCRIPTION

S-CRETE HF is a three-component, polyurethane screed, floor system designed for application to concrete and various other substrates to protect them against chemicals, abrasion, impact and thermal shock. This troweled, monolithic, flooring system.

ADVANTAGES

- Excellent impact and abrasion resistance
- Resistant to live steam or continuous hot water cleaning
- Solvent free and low odor
- Interior or exterior use
- Excellent chemical resistance
- Adhesive for tile Excellent
- Easy to clean & sterilize, low maintenance requirement
- Tested and approved under international food stuffs hygienic standards. Certified in accordance FDA, USDA and EC stipulations and under various national standards.
- Seamless surface. Easy to clean

APPLICATION

S-CRETE HF is ideal for applications, interior or exterior, when severe conditions such as high impact pressure, thermal shock and chemical exposure is expected. The thermal stability and chemical resistance of S-CRETE HF makes it excellent for use in meat, poultry and dairy plants, bottling facilities, pharmaceutical plants, commercial kitchens and restaurants, freezers and refrigerated storage, particularly where steam or hot water is required for cleaning. This flooring system will also perform excellently in pulp and paper, chemical processing and waste water treatment. While the most common substrate is concrete, this flooring system may also be applied over other substrates.

COLOURS

Available in red, gray, cream, green and charcoal. Color uniformity cannot be completely guaranteed from batch to batch. Care should be taken not to mix batches in a single floor area.

PHYSICAL PROPERTIES

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| ➤ Compressive strength | (BS 6319) part 2 | >70 N/mm ² |
| ➤ Flexural strength | (BS 6319) part 3 | >20 N/mm ² |
| ➤ Tensile Strength | (BS 6319) part 7 | >12 N/mm ² |
| ➤ Impact resistance
(BRE Screed tester-0.5 mm) | (BS8204) | No damage or deterioration |
| ➤ Resistance to fungal growth | (JIS7280/ 2000) | passes |
| ➤ Resistance to elevated
Temperatures (150 °C) | MIL-D-3134 | No flow, softening, chalking
or cracking |
| ➤ Abrasion resistance | (ASTM D4060@1000 cycles) | .05 grams loss |
| ➤ Coverage | | 2.5 m ² /pack@6mm. Thickness
1.9 m ² /pack@8mm. Thickness
1.5 m ² /pack@10mm. Thickness |

	20°	30°
Pot Life	20 minutes	15 minutes
Initial cure	24 hrs	12 hrs
Fully cured	10 days	7 days

SURFACE PREPARATION

1. Prepare the substrate properly in accordance with the S-CRETE Substrate Preparation Guide.
2. Install S-CRETE HF cove base as required. Refer to the S-CRETE Installation Guide for details.
3. Mixing pack components are pre-weighed for optimum performance. Never split or proportions. Do not mix by hand. Stir Base A to re-disperse any settlement. Add Hardener B to the Base A container. Mix with a slow speed drill and helical spinner head for 2-3 minutes, taking care not
4. to entrain air. Transfer to a forced action mixer (e.g. a Crete angle) and add the Filler C. Mix for at least 2-3 minutes, until the mixture is uniform. Scrape out residue of previous mix from the sides of the drum and discard before mixing the next pack.

CLEANING AND MAINTENANCE

Do not expose the S-CRETE HF polymer flooring system to any chemicals until after the full curing time of 12 hours at 21°C (70°F). In colder climate with temperature below 10°C (50°F), it may take as long as 48 hours to reach full operational strength. Regular cleaning and maintenance will prolong the life of all polymer flooring systems, enhance appearance and reduce any tendency to retain dirt. Follow the S-CRETE Flooring Maintenance Guide, to ensure long lasting service from this floor.

PACKAGING

30 kgs packs, consisting of Base A, Hardener Band Filler C.

CHEMICAL RESISTANCE

S-CRETE HF will resist spillage of following chemicals at 25 °C.	
Organic chemicals	Inorganic chemicals
Nicotinic acid (10%)	Hydrochloric acid (15%)
Lactic acid (10%)	Nitric acid (15%)
Acetic acid (5%)	Sodium hypochlorite (5%)
Tartaric acid (20%)	Sodium hydroxide (saturated)
Citric acid (10%)	Potassium hydroxide (saturated)
Urine	Sulphuric acid (25%)
Fats and cooking oil	Detergent solution
Sugar solution	Ammonia solution (pure)
Glucose syrup	
Sodium benzonate solution	Table salts solution (saturated)
Starch solution	