

DESCO CRETE HF



DESCO

DESCO CRETE HF is an industrial series three-component polyurethane resin concrete trowel applied at 1/4" to 3/8". This heavy-duty, seamless topping withstands thermal shock, impact, abrasion and chemical exposure. HF's performance anti-microbial is built into the screed matrix to inhibit growth of bacteria, fungi, molds and mildew. The HF material is designed for extreme impact and abrasion abusive areas.

TYPICAL USES

- Food & beverage processing areas
- Kitchens
- Wet preparation & packaging areas
- Solvent/chemical stores
- Battery charging areas
- Loading docks

PHYSICAL PROPERTIES

Compressive Strength (ASTM C-579).....	10,000 psi	Abrasion resistance (ASTM D-4060).....	79 mg
Tensile Strength (ASTM C-307).....	900 psi	Impact Strength, in/lbs (ASTM D-4226).....	>160
Flexural Strength (ASTM C-580).....	2,900 psi	VOC.....	0.0 lb/gal; 0.0 gm/L
Bond Strength (ASTM D-4541)	>300 psi	Microbial/Fungal Contact Inhibition (A.A.T.C.C. 147-1993)	100%

Inclusion of antimicrobial additive with the screed matrix of the industrial floor system ensures the permanency of this biocidal additive even in the event of excessive wear. The antimicrobial additive is effective following ingestion by living bacteria, whereupon metabolic activity within the organism is arrested. Atrophy of the organism follows, when subsequent decay allows re-release of the additive, so ensuring replenished activity at the floor surface.

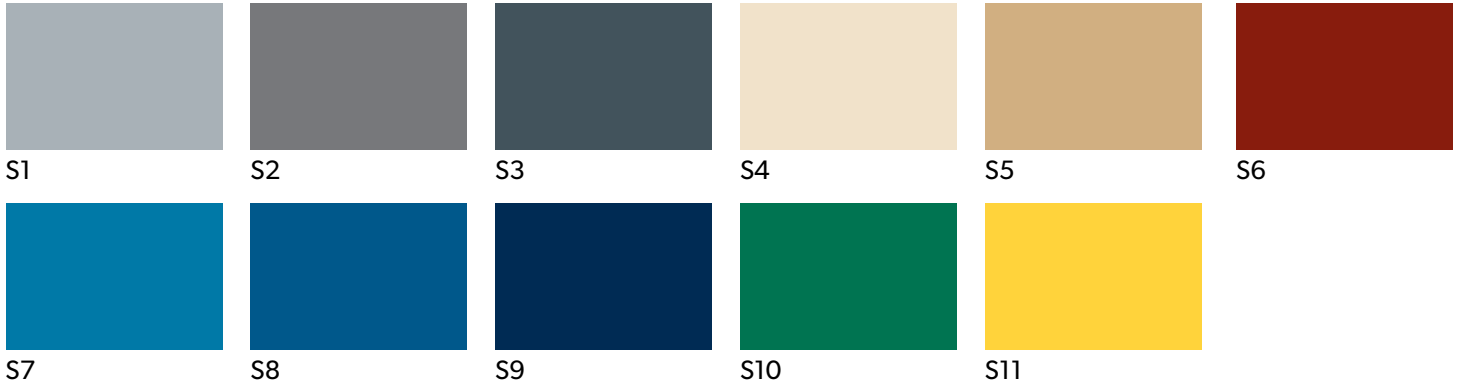
SYSTEM FINISH

UT-HF is applied in one series of application techniques and is subject to some texture differentiation due to its fast set time.

An antimicrobial additive can be included in the HF if needed.

COLORS

11 Standard Colors. Custom colors available.



MOISTURE SLAB TEST

Determine moisture content of slab at time of application. This test only measures the specific area tested at the time of the test and are not predictors of future substrate conditions.

ASTM F-2170 IN SITU Relative Humidity Test. Follow test procedures of manufacturer of testing equipment. Reading should be below 95%.

SURFACE PREPARATION

Concrete: Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- New concrete should be cured a minimum of 14 days.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers.
- Surface profile shall be SCP-4 or greater meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 40-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.
- All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

PRECAUTIONS

1. Polyurethane mortar flooring material shall not be installed or placed on substrates where water is present, or may be expected to be present before the cure of the flooring material.
2. Floors should be sloped to drain to prevent standing water or chemicals. As with any surface, all spills should be removed as soon as possible to prevent a slipping hazard.
3. Do not thin with solvents unless advised to do so by Desco.
4. Confirm product performance in specific chemical environment prior to use.
5. Prepare substrate according to "Surface Preparation" portion of this document.
6. Do not apply to below grade slabs unless a heavy unruptured vapor barrier has been installed under the slab.
7. Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
8. For industrial/commercial use. Installation by trained personnel only.

DESCO warrants its products to be free from defects in material and workmanship. DESCO's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at DESCO's option, to either replacement of products not conforming to this warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to DESCO in writing within five days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify DESCO of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

Any recommendation or suggestion relating to the use of the products made by DESCO, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. DESCO cannot guarantee that color will conform to sample, if provided.

DESCO makes no other warranties concerning this product. No other warranties, either expressed or implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall DESCO be liable for consequential or incidental damages.