

INDUSTRIAL KS



DESCO

INDUSTRIAL KS is a three-component decorative quartz polyurethane resin concrete, is trowel applied 1/4". This decorative, heavy-duty, seamless topping withstands thermal shock, impact, abrasion and chemical exposure. KS's performance anti-microbial is built into the screed matrix to inhibit growth of bacteria, fungi, molds and mildew. The KS material is designed for heavy duty areas where impact, thermal shock and abrasions resistance is needed and an aesthetic appearance is desired.

TYPICAL USES

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

PERFORMANCE DATA

Compressive Strength (ASTM C-579)	10,000 psi
Tensile Strength (ASTM C-307)	900 psi
Flexural Strength (ASTM C-580)	2,900 psi
Bond Strength (ASTM D-4541)	> 300 psi
Abrasion Resistance (ASTM D-4060)	79 mg
Impact Strength, in/lbs (ASTM D-4226)	> 160

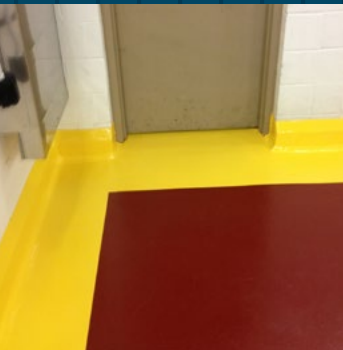
VOC 0.0 lb/gal;
0.0 gm/L

Microbial/Fungal Contact Inhibition
(A.A.T.C.C. 147-1993) 100%

Inclusion of antimicrobial agents within the screed matrix of the industrial floor system ensures the permanency of this biocidal additive even in the event of excessive wear. Antimicrobial agents are 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 antimicrobial additive, so ensuring replenished activity at the floor surface.

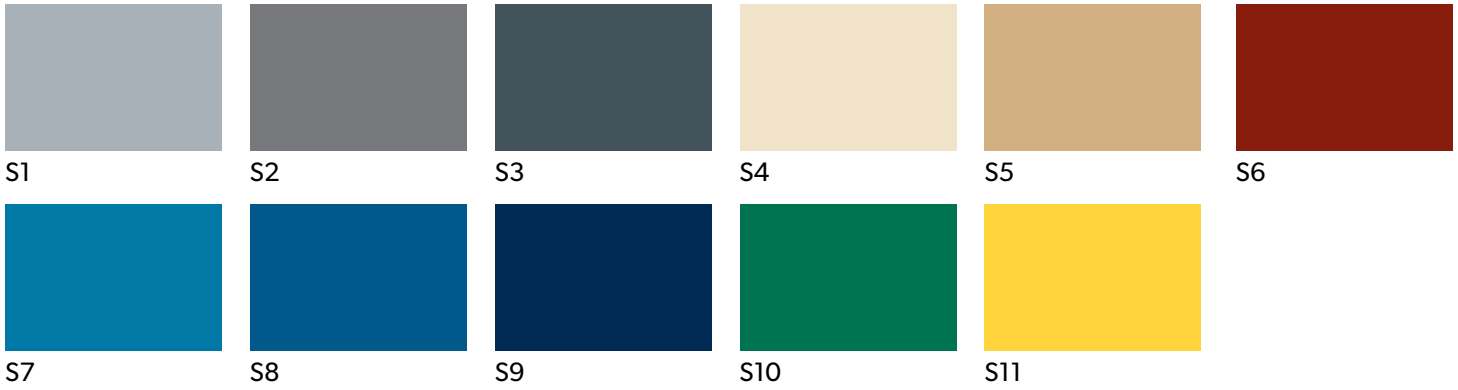
BENEFITS

- Seamless, hygienic finish; no crevices in which dirt and bacteria can dwell
- Inhibits growth of staphylococcus, E-coli, salmonella and listeria
- Impact & abrasion resistant surface suitable for heavy foot traffic and fork lift operation
- Low odor, fast cure installation
- Excellent corrosion & chemical resistance
- Thermal shock resistant; steam cleanable; non-dusting, non-tainting
- Anti-slip surface



COLORS

11 Standard Colors. Custom colors available.



TYPICAL APPLICATION

One Coat Desco Industrial Series

Options Integral Cove Base

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%. If above 80%, refer to HydraBond.

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 28 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

Substrate 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

A sheet good moisture barrier as designated by ASTM E-1745 Class A should be in contact with bottom side of concrete slabs on grade. A lacking or ineffective vapor barrier may cause moisture related problems, debonding, bubbling or discoloration.

Concrete should be poured with a water cement ratio of 0.45 and 0.5.

A slump in the range of 3 to 4 inches, which can be increased by the use of super plasticizers.

Curing by ASTM C-171 sheet materials for curing concrete.

Do not apply granite systems when temperature is less than 50°F above the dew point.

Do not apply when substrate temperatures are below 50°F or above 95°F. (Material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures.)

Water from outside sources can cause water whitening of uncured polymer material.

Confirm product performance in specific chemical environment prior to use.

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.

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