

## TECHNICAL DATA SHEET

### DESCRIPTION

Ultra krete SL is a seamless self-leveling urethane modified concrete topping. It is ideal for medium to heavy duty traffic areas where thermal shock resistance is a requirement. Ultra krete SL exhibits excellent impact and chemical resistance. It is tolerant to moisture vapor emission on well prepared concrete substrates. Its built-in textured surface reduces slipping under wet conditions.

It will not support the growth of fungus or bacteria. Installing Ultra krete SL with a textured surface reduces slipping under most wet conditions. It is a great choice for wet areas like those typically found in dairies, food processing areas, commercial kitchens, breweries, bakeries, etc.

### TYPICAL USES

All Food & Beverage Processing  
Pharmaceutical Plants  
Commercial Kitchens  
Mechanical Rooms  
Engineering M/C Shops  
Manufacturing  
Loading Docks  
Hot/Cold Wash Areas  
Chemical Processing  
Chilling/Refrigeration Areas

### ADVANTAGES

Suitable for high impact, thermal shock and high traffic areas

- Excellent Chemical resistance
- Low odor for use in occupied areas
- Does not support growth of fungus or bacteria
- Moisture vapor resistant - 15lbs/1000ft<sup>2</sup>/24hr & 95% RH
- Meets USGBC - LEED criteria for low VOC
- Rapid on step application for fast return to service on properly prepared substrates

### SUBSTRATE REQUIREMENTS

Should be applied when temperature is between 50°F and 80°F

- Substrate must be free from condensation or water contamination during application and cure
- Concrete Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Expansion joints in the substrate must be honored
- Movement of substrate cracks may transmit through the system

### STORAGE

Materials should be stored indoors between 65°F (18°C) and 90°F (32°C).

### INSTALLATION

#### Priming

This is a system that does not apply a construction primer. Using a metal trowel, apply the mixture evenly to the construction surface with a thickness of approximately 39mil(1mm) During construction, fill in irregularities or depressions on the construction surface. After construction, cure for approximately 15 hours at 68°F

### Mixing Ultra krete SL

a. Set up the mixing station as close to the work area as possible. Exothermic heat will be generated, and flash setting may occur if material remains in the mixing pail for longer than 10 minutes.

b. One kit of Ultra krete SL consists 4 components including the color pack. Pour Part I and Part II into an empty pail and mix for 30 seconds. Add the Pigment pack (except when neutral color is used with Kwortz) while mixing Part I and Part II.

c. Add Part III slowly to the mix while continuously mixing the liquid components. Mix all the components for 3 to 4 minutes. Ensure thorough mixing of all the components without changing their proportions.

d. The mixing bucket and mixing paddle should be scraped thoroughly and cleaned with solvents like MEK or Xylene after mixing 2 to 3 kits. If plastic pail is used for mixing dispose the bucket after every 3 to 4 mixes. Use a brand-new mixing pail ever 3 to 4 mixes when plastic pails are used.

#### CAUTION:

**Exposure to air and moisture of product causes chemical reactions that activate curing/hardening.**

**Make sure to use product immediately after opening.**

### Application of Ultra krete SL

a. Ultrakrete SL is self-leveling grade that can be applied between applied at 3/16" to 1/4" thickness.

Using a notched trowel or gauge rake the mixed product evenly at the desired thickness. Use a 3/8" nap roller or loop roller and lightly back roll the surface while it is still wet. Always maintain a wet edge. It is a common practice to wear spiked shoes to walk into the wet material.

b. It is also a common practice to broadcast 30 mesh silica sand

### COLOR SELECTION

Black / Red / Gray / Brown

### COVERAGE

4Gal 1 kit of Ultra krete SL covers 80ft<sup>2</sup> at 1/16" thickness and 30ft<sup>2</sup> at 3/16" thickness

### CAUTION

Avoid scratching or gouging the surface. All floor coatings will scratch if heavy or sharp objects are dragged across the surface. Do not drop heavy or pointed items on the floor as this may cause chipping or concrete pop-outs in the case of a weak substrate cap. Rubber tires

**CURE / DRY TIME**

Mix ratio (by volume)	1 unit of resin(with pigment powder 1 unit mixed), 1 unit of hardener, and 1 blended aggregate bucket
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\*4 components including the color pack

Working life	10 to 15 minutes @ 75°F, 50% RH
Recoat	6 to 8 hours @ 75°F, 50% RH
Light foot traffic	8 to 10 hours @ 75°F, 50% RH
Light Vehicular traffic	16 to 24 hours @ 75°F, 50% RH
Full cure & Max resistance	3 to 5 days @ 75°F, 50% RH

**MAINTENANCE**

After completing the application of Ultra krete SL, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Ultra krete SL is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat

**PHYSICAL PROPERTIES**

Fungus & Bacteria Growth	MIL F 52505 4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests
Hardness, Shore D	ASTM D2240	80-85
Adhesion to Concrete	ASTM D7240	300psi (concrete failure)
Compressive Strength	ASTM C579, 7 days	6000psi
Service Temperature Resistance		-40 to 240°F wet, 280°F wet intermittent, 350°F dry
VOC		nill

**CLEANING GUIDELINES & MAINTENANCE**

Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine)

**DISPOSAL**

Dispose in accordance with federal, state and local regulations.

**REPAIRS**

Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination

**SDS**

PLEASE SEE SAFETY DATA SHEET (SDS) FOR SAFETY AND PRECAUTIONS. USE PRODUCT AS DIRECTED. KEEP OUT OF THE REACH OF CHILDREN

**WARRANTY**

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