

Product Data Sheet

Product Description

Ure Guard DCS Slurry is a four-component urethane cement flooring material that is normally applied with a cam rake at 1/8"-1/4", then seeded with color chips to achieve a minimum thickness of 3/16"-5/16". A top coat of 100% solids clear epoxy or urethane is then applied. The choice between the clear epoxy top coat or the urethane seal coat is dependent upon the degree of chemical resistance that is required. The end result is a decorative floor that is both thermal shock and chemical resistant.

ICO Ure Guard DCS Slurry can be applied at temperature ranges from 40°F to 90°F, with cure times as low as 10 hours at higher temperatures.

ADVANTAGES:

- Thermal Shock Resistant
- Prepackaged, Applicator Friendly
- Excellent Adhesion
- Short Down Time – Quick Cure
- Easy to clean, U.S.D.A. acceptable
- Chemical Resistant
- Environmentally safe
- Moderate to high Slip Resistance

USES:

- Food Production Plants
- Sanitary Applications, Pharmaceutical, Health Care
- High Traffic Areas, Commercial and Institutional

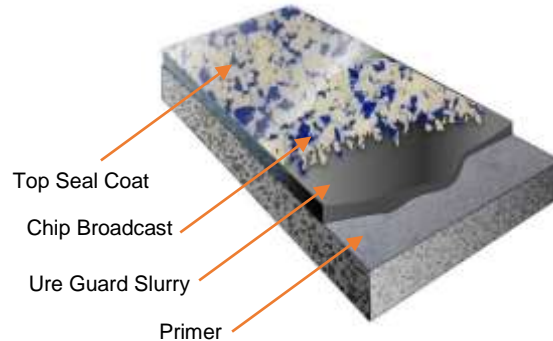
PACKAGING AND COVERAGE:

Ure GUARD DCS Slurry – packaged in batches,
- Supplied by the UNIT - consisting of the following -
2 batch unit – covers approximately 60 square feet at 3/16 inch (187 mils), consisting of the following -

- 2 containers - Part A (resin)
- 2 containers - Part B (hardener)
- 2 bags - Part C (chemical resistant aggregate)
- 5# - Part D (broadcast chips)

20 batch unit – covers approximately 600 square feet at 3/16 inch (187 mils), consisting of the following -

- 20 containers - Part A (resin)
- 20 containers - Part B (hardener)
- 20 bags - Part C (chemical resistant aggregate)
- 50# - Part D (broadcast chips)



PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	8,100 psi	Bond Strength (ASTM C-321):	Greater than 350 psi; 100% concrete failure
Tensile Strength (ASTM D-638) <resin>:	950 psi	Working Time at 75°F (24°C) (ASTM C-308):	20-30 minutes
Shelf Life:	6 months (store at minimum temperatures of 50°F) Part A and B may crystallize below 50°F	Solids by Content:	Weight: 100% Volume: 100%
Flexural Strength (ASTM C-580) <resin>:	1,900 psi	Colors:	Numerous
Coefficient of Thermal Expansion:	1.1 x 10 ⁻⁵ in./in./°F	Indentation (MIL-D-3134F):	No Indentation
Impact Strength:	120 in./lbs.	Flammability:	Does not support combustion
Modulus of Elasticity (ASTM C-580):	1.7 x 10 ⁵ psi		

Colors: Numerous per chip color chart

SURFACE PREPARATION:

Ure Guard DCS Slurry may be installed only on clean, sound substrates. Priming with ICO Primer LV is required.

Concrete:

All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be mechanically abraded with a scarifier, shot blaster or like equipment to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for proper adhesion to the substrate.

MIXING:

Prior to mixing, materials should be stored at 70°F (21°C) at least 48 hours.

Primer: Mix ICO Primer LV FC, Part A and Part B, for 2 minutes with a low speed jiffy mixer or equivalent. Try not to whip in air when mixing.

Slurry: Empty the entire contents of Part A and Part B into a pail and mix thoroughly for two minutes. Slowly add the entire contents of Part C (aggregate) and continue mixing the three components (Part A, B and C) for an additional two minutes. If slurry is allowed to sit in the mixer, the working time of the system will be reduced.

APPLICATION:

DO NOT APPLY IF RELATIVE HUMIDITY IS ABOVE 85%. Substrate temperature should be 65°-80°F (18°-26°C) during installation and for 28 days thereafter for complete cure.

Primer: Pour entire contents of mix onto floor in a continuous ribbon. Slowly move and level the mixture with a flat squeegee then back roll with a medium nap, phenolic core roller to remove any squeegee marks. Apply at 1000 square feet per 4 gallon kit. Make sure to wet entire surface but do not allow to puddle. Coverage will be approximately 250 sq. ft. per mixed gallon at 6 mils wet (6 mils DFT). Allow to cure 5 hours at 72°F prior to applying **Ure Guard DBS**.

Slurry: Immediately after mixing, pour the entire batch onto the floor and spread evenly with a screed rake. Back roll with a porcupine or spike roller to smooth out any irregularities. If slurry is allowed to sit in the mixer, the working time of the system will be reduced. Unless otherwise specified, the **Ure Guard DCS** flooring system is designed to follow the existing contour of the floor.

CURE TIME:

Ure Guard DCS Slurry will harden to foot traffic in 8-12 hours at 75°F (24°C). Maximum chemical resistance and physical properties will be attained after 28 days at 75°F (24°C).

CLEANUP:

Cured or hardened **Ure Guard DCS Slurry** will bond to practically all surfaces and is extremely difficult to remove. Clean all tools and mixer with acetone or other solvent based cleaners immediately after use.

SAFETY:

Avoid skin contact. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B, as the continuing exothermic reaction may cause container to explode. **Ure Guard DCS Slurry** Safety Data Sheets are available upon request.

Warning:

Ure Guard DCS Slurry may crystallize when exposed to temperatures below 50° Fahrenheit for extended periods of time. Ure Guard DCS Slurry should not be exposed to freezing temperatures. The prepackaged components are NOT freeze / thaw stable.

Limited Warranty

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C

Milamar Coatings, L.L.C.

www.milamar.com

311 NW 122nd Street, Ste. 100

Oklahoma City, OK 73114

Ph.: 405.755.8448

Fax: 405.755.8450