



Ure Guard Slurry

Product Data Sheet

DESCRIPTION:

Ure Guard Slurry is a four-component, urethane flooring system. Ure Guard Slurry is a screed rake applied slurry system, with broadcast aggregate, installed at ¼ inch (250 mils). Ure Guard Slurry is U.S.D.A. acceptable for food processing plants, and has excellent resistance to thermal shock, many acids, caustics, detergents, and other corrosive materials.

Ure Guard Slurry can be applied at temperature ranges from 40°F to 90°F. Ure Guard SL/TL Coating, a 100% solids aromatic urethane, is recommended over the seeded surface to facilitate cleaning.

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 Slip Resistance – 30 mesh aggregate

USES:

- Food Production Plants
- Oven And Fryer Lines
- Coolers and Freezers
- Forklift Aisle-ways
- Chemical Spill Containment Areas
- Industrial Production Facilities

PACKAGING AND COVERAGE:

Ure Guard Slurry – packaged in batches,
 - Supplied by the UNIT - consisting of the following -
2 batch unit – covers approximately 60 square feet at ¼ inch (250 mils), consisting of the following -

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

20 batch unit – covers approximately 600 square feet at ¼ inch (250 mils), consisting of the following -

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

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) < Ure Guard Slurry 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:	Gray, Red, Black
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		

SURFACE PREPARATION:

Ure Guard Slurry may be installed only on clean, sound substrates.

Concrete:

New concrete must be cured a minimum of 28 days. 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.

Mortar:

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 mortar is allowed to sit in the mixer the working time of the system will be reduced.

MIXING:

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

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. Do not apply Ure Guard Slurry when substrate temperature is below 60°F (16°C). Immediately after mixing, pour the entire batch onto the floor and spread evenly with a screed rake and back roll with a looped roller to smooth any irregularities. If mortar is allowed to sit in the mixer, the working time of the system will be reduced. Leaving a wet edge for the next batch, broadcast the Part D aggregate into the freshly leveled surface. Repeat process until entire floor is covered. After Ure Guard Slurry has hardened overnight (approximately 12-18 hours), sweep off excess Part D from the broadcast coat. Unless otherwise specified, the Ure Guard Slurry flooring system is designed to follow the existing contour of the floor.

CURE TIME:

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

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 Slurry Material Safety Data Sheets are available upon request.

Warning:

Ure Guard Slurry may crystallize when exposed to temperatures below 50° Fahrenheit for extended periods of time. Ure Guard 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.

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