



Iso-Crete® 450 Urethane Slurry Floor Resurfacing System

PRODUCT DESCRIPTION

Iso-Crete 450 is a low odor self leveling urethane slurry system with antimicrobial additive. It cures to a hardness that is stronger than or equal to concrete. This product can be broad cast at 1/4" – 3/8" thickness finished system. It has anti-microbial properties which can be used in USDA inspected facility.

BASIC USES

Iso-Crete 450 Slurry designed to protect concrete, wood, and steel substrates from thermal shock, impact, corrosion, mild chemical attack, and abrasion. Contains anti-microbial additive(s) to be Acceptable in USDA inspected facility such as Food Processing Kitchens, Food and Beverage Plants, Meat and Poultry plants, Restrooms and Concession stands.

ADVANTAGES

- Anti-Microbial properties.
- Low Odor, water based
- Easy to mix and install.
- The three system components are conveniently pre-proportioned and packaged together for easy field mixing.
- Remains flexible over a wide temperature range.
- Low temperature Cure, down to 40° F.
- Bonds to concrete, wood, and steel.
- Has excellent weatherability.
- Rapid cure and hardness development
- Hot cooking oil resistance
- Impact resistant
- Moisture insensitive
- Maintains bond with vapor emission up to 11 lbs.
- Acceptable for use in USDA inspected facilities.
- Resistance to mild chemical attacks such as Alcohol, Ethylene Glycol, Lactic acid (milk), Mineral Oils, PM acetate, Gasoline, Diesel, kerosene, and most organic solvents. It is also **resistance to Low Concentrations** of

Hydrochloric acid, Muriatic acid, nitric acid, phosphoric acid, and sulfuric acid.

LIMITATIONS

- Apply to clean, dry, sound substrate.
- The application temperature must be above 40° F.

PACKAGING

Available in 928 in³ kits. Equivalent to approximately 4.02 gallons, or 0.54 ft³

STANDARD COLORS

Gray, Concrete Gray, Mortar Gray, Dark Gray

INSTALLATION

Preliminary: Surfaces to receive the Iso-Crete 450 material must be clean, dry and sound.

Preparation: Prepare the substrate by sandblasting.

Installation: Concrete or other substrates must be surface prep'ed properly before the Iso-Crete 450 is installed (Consult manufacturer for proper preparation).

Use a drill with a Jiffy/paddle type mixer for best mixing results. Pour the Part A and Part B liquids into a clean 6-gallon bucket. Mix for 1 minute, Then Immediately and progressively add in the pre-packaged aggregate (Part C) while mixing, until all aggregate has been added. Mix for approximately 2-3 minutes. Once fully mixed, immediately pour the Iso-Flex product onto the prepared surfaces.

PRECAUTIONS

Refer to Material Safety Data Sheet for detailed health and safety information prior to use.

WARRANTY

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

TECHNICAL DATA FROM LABORATORY TESTS

Property	Test Method	Test Results
Tensile Strength	ASTM D412	400 – 600 psi
Hardness (Shore D)	ASTM D2240	75 +/-3
Compression Strength	ASTM C579	5000 psi
Service Temperature	N / A	- 40° F-280 °F
Adhesion Properties Bond to Concrete	ASTM C109	>500 psi
Pot Life once A + B + C are mixed		30 min.
Cure Time @ R.T.:	Recoat	4 – 6 hrs.
	Foot traffic	7 – 9 hrs.
	Full Service	11 – 24 hrs.

- *One of the resins of this product is water based, therefore, prevent from freezing during storage or shipping. Condition All three parts of this product to room temperature (~ 25 ° C) before using.*

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