

Iso-Flex® 614 Coatings

PRODUCT DESCRIPTION

Iso-Flex 614 are one-part, moisture curing, polyurethane coatings for concrete. These products have excellent resistance to abrasion, wheel and pedestrian traffic. Iso-Flex 614 is used to protect and preserve concrete against infiltration of water, salt and other deicing chemicals or other contaminants which may lead to concrete deterioration.

Iso-Flex 614 AR (Aromatic) is suitable for interior areas not directly exposed to the sun.

Iso-Flex 614 AL (Aliphatic) is recommended for exterior sun exposed applications.

ADVANTAGES

- Protects concrete surfaces against penetration of water, salt or other deicing chemicals.
- Excellent chemical resistance. Virtually no effect when exposed to a wide variety of harsh chemicals, or when cleaned with aggressive chemical based detergents.
- Enhances housekeeping properties of treated surfaces.
- Improves wear resistance of concrete surfaces.

LIMITATIONS

Iso-Flex 614 is not designed to prevent leakage through cracks or through joints. These conditions must be treated with other LymTal products utilizing methods described in other publications. Surface must be dry and remain dry during application and cure of the system (24 hours @ 70°F). Work should not proceed at temperatures below 40°F. Iso-Flex 614 contains petroleum distillates and good ventilation should be provided to dissipate fumes. Do not force air directly on the surface.

PACKAGING

Iso-Flex 614 is available in 5 gallon pails.

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Aliphatic	Aromatic
Weight		9.0 lbs/gal	9.3 lbs/gal
Hardness (Shore A)	ASTM D2240	80-90	80-90
Viscosity @ 77°F(25°C)	ASTM 2196 #4 RVT @ 20 rpm	1500-3000 cps	1500-3000 cps
Flash Point	ASTM D93	110°F (43.3°C)	110°F (43.3°C)
Cure Time @ 77°F(25°C)	ASTM C920	24 hours	24 hours
Abrasion Resistance	ASTM D4060 Tabor 1000 rev, CS 17 Wheel, 1000g	Loss 0.03g	Loss 0.03g
Weathering Resistance	ASTM G53-83	No Visual Effect	Yellowing
Permeability	ASTM E398	1.6 Perms	1.6 Perms
Tensile Strength	ASTM D412	2500 psi	2500 psi
Ultimate Elongation	ASTM D412	100%	100%
Tear Resistance	ASTM D1004	200 pli	200 pli
% Yield (Wet→Dry)		62%	60%
Pot Life @ 77°F(25°C)	ASTM C603	1-2 hours	1-2 hours
Shelf Life @ 77°F(25°C)	(in sealed containers)	6 months	6 months
Chemical Resistance	No Effect on System – Common Oils, Solvents and Salts, Alkalis, Motor Oil, Anti-Freeze, Gasoline, Mineral Spirits		

STANDARD COLORS

Concrete Grey (*Special colors available at additional cost.*)

INSTALLATION

Iso-Flex 614 must be applied to clean, dry, structurally sound concrete. Oil and grease spots should be removed with a commercial grade alkaline cleaner, rinsed thoroughly and dried prior to applying Iso-Flex 614. Severe contamination may require sandblasting or shotblasting to ensure proper application of the product. A primer is required for adhesion to concrete. Iso-Flex 614 can be applied by brush, roller or spray. Dry silica sand or aluminum oxide can be used with the product to provide a more skid resistant surface. In this case a second coat of Iso-Flex 614 is recommended to lock in the aggregate. Coverage is dependent on the texture and porosity of the surface but will normally be 100-200 square feet per gallon.

PRECAUTIONS

To ensure safe installation of Iso-Flex 614, please refer to the Material Safety Data Sheets that accompany each product shipment.

MAINTENANCE

If Iso-Flex 614 shows wear in heavy traffic areas over time, it can be re-coated or spot-patched as required.

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.

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LymTal International, Inc.

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