



## Iso-Flex® 750 Base Coat

### PRODUCT DESCRIPTION

Iso-Flex 750 Base Coat is a two-component, high solids, chemically curing, polyurethane waterproofing coating. A primer is used to continuously bond the base coat to the substrate. The Iso-Flex 750 Base Coat is then covered by a variety of aggregate loaded traffic toppings. The composition and thickness of such toppings will be dependent upon the service conditions.

### BASIC USES

Typical applications for Iso-Flex 750 Base Coat include parking structures, stadiums, mechanical room floors, plazas, roof decks, recreation decks and other concrete, masonry or wood structures where continuously bonded waterproofing coatings are required.

### ADVANTAGES

- Iso-Flex 750 Base Coat can be recoated in as little as 4-6 hours.
- Iso-Flex 750 Base Coat develops a continuous bond to most substrates and is impervious to water and/or chloride penetration.
- The coating never age hardens, remains flexible over a wide temperature range, and is able to successfully bridge existing small cracks.
- Iso-Flex 750 Base Coat can be covered with a variety of traffic toppings, providing flexibility for various service conditions and aesthetics.

### LIMITATIONS

- Iso-Flex traffic coating should be applied to concrete surfaces having a moisture vapor transmission (MVT) rate of no more than 3 lbs/1000SqFt/24 Hours. For conditions in excess of this threshold please contact LymTal Technical Service Dept. for recommendations.
- Due to variation in substrate porosity, surface profile and aggregate used, achievable coverage rates can vary.
- Application must be to clean, sound, dry substrates at temperatures above 40°F (5°C).

- Curing compounds, form release agents, sealers, or other contaminants may interfere with adhesion.
- Adequate ventilation must be provided as recommended by the manufacturer.

### TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Test Result
Weight Per Gallon		9.5 lbs/gal
Hardness (Shore A)	ASTM D2240	70-80
Viscosity @ 77°F(25°C)	ASTM D2196 #4 RVT @ 20 rpm	4000-8000 cps
Flash Point	ASTM D93	169°F (76.1°C)
Cure Time @ 77°F(25°C)	ASTM C920	6-8 hours
Abrasion Resistance	ASTM D4060 Tabor 1,000 Rev. CS 17 Wheel, 1000g	Loss 0.01 grams
Adhesion Strength	ASTM D4541	>350 psi
Weathering Resistance	ASTM G53-83	Yellowing, Chalking
Water Resistance	ASTM D471	<1.0%
Permeability	ASTM E398	1.6 perms
Peel Adhesion	ASTM C794	50 pli
Permanent Set	ASTM	<10%
Tensile Strength	ASTM D412	1200 psi
Ultimate Elongation	ASTM D412	350%
Tear Resistance	ASTM D1004	100 pli
% Yield (Wet→Dry)		96%
Pot Life @ 77°F(25°C)	ASTM C603	30 mins
Shelf Life @ 77°F (25°C) in sealed containers		6 months

## **STANDARD COLOR**

Grey

## **PACKAGING**

Iso-Flex 750 Base Coat is available in 5 gallon containers.

## **INSTALLATION**

**Preliminary:** Surfaces to receive Iso-Flex 750 Base Coat must be clean, dry, sound, relatively smooth and free of voids, ridges and sharp projections. New concrete surfaces should be water cured or cured with compatible curing compounds.

**Surface Preparation:** Shotblasting must be employed to provide a sound, clean substrate. In areas where shotblasting is not feasible, consult the manufacturer for other methods of surface preparation.

**Detailing:** Joints or cracks should be pretreated prior to general application by sealing, grinding out and sealing or overbanding with compatible Iso-Flex products, as recommended. Terminations and penetrations should also be sealed prior to general application.

**Application:** Iso-Flex 750 Base Coat must be mixed and applied in accordance with manufacturer's specific recommendations.

## **PRECAUTIONS**

To ensure safe installations of Iso-Flex 750 Base Coat, please refer to the Material Safety Data Sheets that accompany each product shipment.

## **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.

*Revised: 09/2018*

## **LymTal International, Inc.**

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