

Iso-Flex® Mechanical Room Coating System

SYSTEM DESCRIPTION

Iso-Flex Mechanical Room Coating Systems are cold, liquid applied, urethane elastomeric deck coating membranes with integral, urethane, skid resistant floor toppings that are designed for use under direct exposure to pedestrian traffic. All components of the system comply with all current VOC limits for floor coatings. Iso-Flex Mechanical Room Coating Systems are ideal for use in confined spaces and other areas where solvent vapors represent a hazard.

The Iso-Flex Mechanical Room Coating Systems consists of a one-part elastomeric urethane membrane bonded continuously to the substrate for protection against water damage, and one-part urethane topping coat with encapsulated aggregate for skid resistance. Standard Iso-Flex Mechanical Room Coating Systems provide an effective, 2-step solutions for most usage conditions.

BASIC USES

Typical applications include mechanical rooms, electrical rooms and other confined interior spaces which require a tough, low odor, abrasion resistant elastomeric waterproofing system. Iso-Flex Mechanical Room Coating System is specially formulated for use in confined areas or locations adjacent to occupied spaces.

RECOMMENDED MILLAGES

Recommended mil thickness will vary depending upon service conditions, substrate profile and other environmental factors. While every project is unique, the following chart provides generalized guidelines.

STANDARD COLOR

Mortar Gray

	<u>STANDARD</u>
Base Coat	20 mils
Wear Course	15 mils
Sand (16/30 grit)	6-8 lbs/100 ft ²
Total*	35 mils

* System millages are dry film thicknesses.

ADVANTAGES

- Iso-Flex 760 ZV Base Coat is a one-component product and complies with all current VOC requirements.
- The durability of the 760ZV Base Coat allows its use as not just a base coat but also as a top coat.
- The system never age hardens, remains flexible over a wide temperature range and is able to successfully bridge small cracks.

LIMITATIONS

- Iso-Flex 760 ZV Base Coat is designed for application in relatively thin mil film thicknesses. Variations in mil thickness of the cured membrane are to be expected due to differences in the porosity and profile of the substrate.
- Application must be to clean, sound, dry substrates at temperatures above 40°F (5°C).
- Adequate ventilation, as recommended by the manufacturer, must be provided in application areas.
- Iso-Flex ZV Base Coat utilizes moisture activated curing chemistry. As a result the cure rate is humidity dependent.

PACKAGING

Iso-Flex 760 ZV Base Coat is available in 5 gallon containers.

INSTALLATION

Preliminary: Surfaces to receive Iso-Flex 760 ZV 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: High pressure water blast with a spinner tip must be employed to provide a sound, clean substrate. In areas where water blasting is not feasible, consult the manufacturer for other methods of surface preparation. Allow adequate drying time after water blasting of the surface.

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 760 ZV Base Coat must be applied in accordance with the manufacturer's specific recommendations.

PRECAUTIONS

To ensure safe installation of Iso-Flex 760 ZV 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.

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Test Results
Weight per Gallon		9.2 lbs/gal
Hardness (Shore A)	ASTM D2240	75-80
Viscosity @ 77°F(25°C)	ASTM D2196 #4 RVT @ 20 rpm	4000-6000 cps
Flash Point	ASTM D93	245°F
Cure Time @ 77°F(25°C)	ASTM C920	48 hours
Abrasion Resistance	ASTM D4060 Tabor 1,000 Rev. CS 17 Wheel, 1000g	Loss 0.03 grams
Weathering Resistance	ASTM G53-83	Slight chalking after 2000 hours
Permeability	ASTM E398	1.6 perms
Peel Adhesion	ASTM C794	350 psi
Tensile	ASTM D412	2800 psi
Ultimate Elongation	ASTM D412	600%
Tear Resistance	ASTM D1004	150 pli
% Yield (Wet→Dry)		99%
Pot Life @ 77°F(25°C)	ASTM 603	1-2 hours
Shelf Life	(in sealed containers)	6 months
Chemical Resistance	No Effect - Common Oils, Solvents and Salts, Alkalis, Anti-Freeze, Gasoline, Mineral Spirits	

Revised: 8/08

LymTal International, Inc.

4150 South Lapeer Road • Orion, MI 48359 • Tel (248) 373-8100 • Fax (248) 373-3480 • www.lymtal.com