

Iso-Flex[®] 760 U VC Deck Coating System

(For California Applications Consult Manufacturer)

SYSTEM DESCRIPTION

Iso-Flex 760 U VC systems are cold, liquid applied, urethane elastomeric deck coating membranes with integral, urethane, skid resistant traffic toppings that are designed for use under direct exposure to pedestrian and/or vehicular traffic. All components of the system comply with current VOC limits for traffic coatings. Iso-Flex 760 U VC traffic deck coating systems are ideal for use in confined spaces and other areas where solvent vapors represent a hazard.

The Iso-Flex 760 U VC system consists of a primer (as recommended by the manufacturer), a one-part elastomeric urethane membrane bonded continuously to the substrate for protection against water damage, and one or more urethane topping coats with encapsulated aggregate for skid resistance. Standard Iso-Flex 760 U VC systems provide effective, economical solutions for most usage conditions.

Iso-Flex 760 U VC MVT

For light to medium vehicular traffic.

Iso-Flex 760 U VC HVT

For heavy vehicular traffic exposure.

BASIC USES

Typical applications for Iso-Flex 760 U VC systems include parking structures, stadiums, mechanical room floors, plazas, roof decks, recreation decks and other structures which require a tough, attractive, abrasion resistant elastomeric waterproofing system. Iso-Flex 760 U VC is specially formulated for use in confined areas or locations adjacent to occupied spaces.

RECOMMENDED MILLAGES

Recommended mil thickness of Iso-Flex 760 U VC systems will vary depending upon service conditions, substrate profile and other environmental factors. While every project is unique, the following chart provides generalized guidelines.

	<u>MVT</u>	<u>HVT</u>
760 ZV Base Coat	20 mils	20 mils
Wear Course I		15 mils
760 Lock Coat		
Sand (16/30 mesh)		6-8 lbs/100ft ²
Wear Course II	15 mils	15 mils
760 Lock Coat		
Sand (16/30 mesh)	6-8 lbs/100ft ²	6-8 lbs/100ft ²
Total	35 mils	50 mils

System millages are dry film thicknesses and do not include primer.

ADVANTAGES

- Iso-Flex 760 U VC deck coating system complies with current VOC requirements.
- The system develops a continuous bond to most substrates and is impervious to water and/or chloride penetration. The system is also resistant to most common chemicals.
- The system never age hardens, remains flexible over a wide temperature range and is able to successfully bridge small cracks.

LIMITATIONS

- Iso-Flex 760 U VC systems are 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). Curing compounds, form release agents, sealers, or other contaminants may interfere with adhesion.

PACKAGING

Iso-Flex 760 U VC Base Coat and Lock Coats are available in 5 gallon units.

STANDARD COLOR

Concrete Gray (*Special colors available upon request.*)

INSTALLATION

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 routing, grinding and sealing, or overbanding with compatible Iso-Flex products as recommended by the system manufacturer. Terminations and penetrations should also be sealed prior to general application.

Application: The various components of the Iso-Flex 760 U VC system shall be applied in accordance with manufacturer's specific recommendations.

PRECAUTIONS

To ensure safe installation of the Iso-Flex 760 U VC system, please refer to the Material Safety Data

Sheets (MSDS) that accompany each product shipment.

MAINTENANCE

Iso-Flex 760 U VC systems may be easily repaired using methods recommended by the manufacturer

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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TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	760 ZV	760 TC AL	760 TC AR
Weight per Gallon		9.2 lbs/gallon	9.1 lbs/gallon	9.2 lbs/gallon
Hardness (Shore A)	ASTM D2240	75-80	88-96	80-90
Viscosity @ 77°F(25°C)	ASTM D2196 #4 RVT @ 20 rpm	4000-6000 cps	2000-3000 cps	1000-2000 cps
Flash Point	ASTM D93	245°F (118.3°C)	110°F (43.3°C)	110°F (43.3°C)
Cure Time @ 77°F(25°C)	ASTM C920	48 hours	24 hours	6-8 hours
Abrasion Resistance	ASTM D4060 Tabor 1000 rev CS17 Wheel 1000 grams	Loss 0.03 grams	Loss 0.009 grams	n/a
Weathering Resistance	ASTM G53-83	Slight Chalking	No Visual Effect	Yellowing
Permeability	ASTM E398	1.6 perms	n/a	n/a
Peel Adhesion	ASTM C794	350 psi	n/a	n/a
Tensile Strength	ASTM D412	2800 psi	3500 psi	2000 psi
Ultimate Elongation	ASTM D412	600%	330%	150%
Tear Resistance	ASTM D1004	150 pli	350 pli	180 pli
% Yield (Wet→Dry)		99%	96%	99%
Pot Life @ 77°F(25°C)	ASTM C603	1-2 hours	30-40 mins	25-30 mins
Shelf Life @ 77°F(25°C)	(in sealed containers)	6 months	6 months	6 months
Chemical Resistance	No effect on System from Common Oils, Salts, Alkalies, Motor Oil, Anti-Freeze, Gasoline, Mineral Spirits			

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