



Iso-Flex® 760U Textured Coating System

SYSTEM DESCRIPTION

Iso-Flex 760U Textured Coating Systems are polyurethane traffic coating membranes with an integral synthetic aggregate for use as a wear course or top coat. Iso-Flex 760U Textured Top Coats are available as either an aromatic or aliphatic chemistry. These systems have excellent abrasion resistance to wheel and pedestrian traffic. All Iso-Flex 760U Textured Coating Systems are attractive and durable, and are designed to protect the concrete deck surface from water and/or chloride penetration.

Each Iso-Flex 760U Textured Coating System consists of a primer (as recommended), a two-part elastomeric urethane membrane bonded continuously to the substrate for protection against water damage and one or more textured urethane traffic topping coats with encapsulated synthetic aggregate for skid resistance. Recommended film mil thickness of the systems will vary depending upon intended service conditions.

Standard Iso-Flex 760U Textured Coating Systems provide effective, economical solutions for most usage conditions.

Iso-Flex 760U MVT For light to medium vehicular traffic. (parking stalls)

Iso-Flex 760U HVT For heavy vehicular traffic exposure. (drive lanes, ramps)

For service conditions exposed to direct sunlight, and to enhance weathering characteristics, an Iso-Flex aliphatic urethane topcoat is utilized as the final coat.

BASIC USES

Typical applications for Iso-Flex 760U Textured Coating Systems include parking structures, stadiums, mechanical room floors, plazas, roof decks, recreation decks and other concrete structures. Iso-Flex 760U Textured Coating System is a low odor deck coating system specially formulated for use in confined areas or locations adjacent to occupied spaces.

STANDARD COLOR

Concrete Gray, Mortar Gray, Dark Gray

RECOMMENDED MILLAGES

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

	Dry Mil Thickness			
	<u>Base</u>	<u>Int.</u>	<u>Top</u>	<u>Total</u>
MVT	25 mils		15 mils	40 mils
HVT	25 mils	15 mils	15 mils	55 mils

**SEALANT • WATERPROOFING
& RESTORATION INSTITUTE**

Issued to: LymTal International
Product: 760U Textured Coating System (MVT & HVT)

ASTM D 412: Tensile Strength or Top Coat Pass ✓
760LCAL Aliphatic Lock Coat
Tensile Strength: 4,643 psi / Elongation: 471%
760LCAR Aromatic Lock Coat
Tensile Strength: 2,501 psi / Elongation: 134%

ASTM D 4541: Adhesion of Basecoat Pass ✓
750BC with Primer 757 / Pull-off Adhesion: 314 psi

ASTM D 4060: Abrasion Resistance of Topcoat Pass ✓
760LCAL Aliphatic Lock Coat
Abrasion Resistance: 4 mgms loss per 1,000 cycles
760LCAR Aromatic Lock Coat
Abrasion Resistance: 4 mgms loss per 1,000 cycles

Validation Date: 4/22/25 – 4/21/30

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DECK COATING VALIDATION
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ADVANTAGES

- A low odor deck coating system complies with all current VOC requirements.
- The system develops a continuous bond to stated substrates and protects from water and/or chloride penetration. The system is also resistant to most common chemicals.
- The synthetic aggregate is silica free and reduces overall system weight.
- The synthetic aggregate chemically reacts with the polymer to form a tougher surface.
- The synthetic aggregate is 100% post-industrial recycled material.

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 for recommendations.
- Due to variation in substrate porosity, surface profile and achievable coverage rates can vary.

INSTALLATION

Preliminary: Surfaces to receive Iso-Flex 760U Textured Coating Systems must be clean, dry, sound, relatively smooth and free of voids, ridges and sharp projections. New concrete surfaces should be properly cured as recommended by manufacturer.

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 760U Textured Coating System shall be applied in

- 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.

PACKAGING

Iso-Flex Low Odor Base Coat and Lock Coats are available in 5 gallon (18.9 liter) units accordance with manufacturer's specific recommendations.

PRECAUTIONS

To ensure safe installation of the Iso-Flex 760U Textured Coating System, please refer to the Material Safety Data Sheets (MSDS) 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.

05/2025

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	750 BC	760 TCAL TX	760 TCAR TX
Weight per Gallon		9.5 lbs/gallon	9.1 lbs/gallon	9.2 lbs/gallon
Hardness (Shore A)	ASTM D2240	70-80	88-96	80-90
Viscosity @ 77°F(25°C)	ASTM D2196 #4 RVT @ 20 rpm	4000-8000 cps	2000-3000 cps	1000-2000 cps
Flash Point	ASTM D93	169°F (76.1°C)	171°F (77.2°C)	> 200°F (93°C)
Cure Time @ 77°F(25°C)	ASTM C920	6-8 hours	24 hours	6-8 hours
Abrasion Resistance	ASTM D4060 Tabor 1000 rev CS17 Wheel 1000 grams	Loss 0.01 grams	Loss 0.009 grams	n/a
Weathering Resistance	ASTM G53-83	Yellowing, Chalking	No Visual Effect	Yellowing
Permeability	ASTM E398	1.6 perms	n/a	n/a
Peel Adhesion	ASTM C794	50 pli	n/a	n/a
Tensile Strength	ASTM D412	1200 psi	3500 psi	2000 psi
Ultimate Elongation	ASTM D412	350%	330%	150%
Tear Resistance	ASTM D1004	100 pli	350 pli	180 pli
% Yield (Wet→Dry)		96%	96%	99%
Pot Life @ 77°F(25°C)	ASTM C603	30 mins	30-40 mins	25-30 mins
Shelf Life @ 77°F(25°C)		6 months	6 months	6 months
Chemical Resistance	No effect on System from Common Oils, Salts, Alkalies, Motor Oil, Anti-Freeze, Gasoline, Mineral Spirits			

LymTal International, Inc.

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