



Iso-Flex® One and Done Aliphatic Traffic Coating

PRODUCT DESCRIPTION

Iso-Flex One and Done Aliphatic Traffic Coating is a two-component, high solids, chemically curing, polyurethane coating with an integral synthetic aggregate texture. It cures quickly to a high durometer, tough elastomer that bonds continuously to properly prepared concrete surfaces. Iso-Flex One and Done Aliphatic Traffic Coating has a low viscosity, and effectively encapsulates the integral aggregate to provide a tough, durable wear course for pedestrian and vehicular traffic in one simple coat.

BASIC USES

Iso-Flex One and Done Aliphatic Traffic Coating provides a traffic bearing coating for concrete and other substrates in one application. Typical applications include parking structures, stadiums, plazas, walkways etc. that are exposed to traffic.

ADVANTAGES

- Iso-Flex One and Done Aliphatic Traffic Coating is installed as one coat. For pedestrian or balcony applications it is one coat at 35 mils, for parking deck applications it is one coat at 45 mils.
- The product remains flexible over a wide temperature range.
- Iso-Flex One and Done Aliphatic Traffic Coating exhibits exceptionally high elastomeric properties and excellent wear and weather resistance.

LIMITATIONS

- Iso-Flex One and Done Aliphatic 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.
- Apply to concrete when surface temperature is neutral or decreasing.
- Application must be to clean, sound, dry substrates at temperatures above 50°F (10°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 One and Done Aliphatic Traffic Coating comes as a three-part system consisting of a Base Resin, Curing Agent and prepackaged synthetic aggregate. The mixed units are provided in 1.78 gallon and 5.0 gallon kits of liquid polyurethane plus aggregate.

STANDARD COLOR

Concrete Grey

TECHNICAL DATA FROM LABORATORY TEST (Field Properties May Vary)

Property	Test Method	Test Result
Weight per Gallon	—	8.9 lbs/gal
Hardness (Shore A)	ASTM D2240	88-96
Viscosity @ 77°F(25°C)	ASTM 2196 #4 RVT @ 20 rpm	3000-4000 cps
Flash Point	ASTM D93	171°F(77.2°C)
Cure Time @ 77°F(25°C)	ASTM C920	24 hours
Abrasion Resistance	ASTN D4060 Tabor 1000 rev, CS 17 Wheel, 1000g	Loss 0.009g
Weathering Resistance	ASTM G53-83	No Visual Effect
Tensile Strength	ASTM D412	3000 psi
Ultimate Elongation	ASTM D412	330%
Tear Resistance	ASTM D1004	300 pli
% Yield (Wet→Dry)		96%
Pot Life @ 77°F(25°C)	ASTM C603	30-40 minutes
Shelf Life @ 77°F(25°C) (in sealed containers)		6 months

INSTALLATION

Iso-Flex One and Done Aliphatic Traffic Coating must be installed over properly prepared concrete. The aggregate is added to the Base Resin (Part A) and blended in. The Curing Agent (Part B) is added and thoroughly mixed into the Part A. For parking garage traffic applications, the Iso-Flex One and Done Aliphatic Traffic Coating is immediately spread by squeegees and roller at a coverage rate of 35 ft²/gal, yielding 45 dft of polymer with integral aggregate. For balcony and pedestrian applications apply the material in the same manner at 45 ft²/gal yielding 35 dft. Consult LymTal International, Inc., for recommendations for primers based on specific substrates.

PRECAUTIONS

To ensure safe installation of Iso-Flex One and Done Aliphatic Traffic Coating, please refer to the Material Safety Data Sheets that accompanies each product shipment.

MAINTENANCE

Iso-Flex One and Done Aliphatic Traffic Coating can be 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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