

Iso-Flex® 640 WB Coating

PRODUCT DESCRIPTION

Iso-Flex 640 WB is a water based two-component, non-yellowing, aliphatic, polyurethane coating material. The product is available in clear or pigmented versions and may be used for either interior or exterior applications with exceptional gloss and color retention properties.

BASIC USES

Iso-Flex 640 WB is typically used to coat concrete, wood, marble, metal and plastic. The product is an excellent choice as an anti-graffiti coating for use in such structures as subways, bus and railway stations, stadiums, parking structures, highway retaining walls and bridge structures, schools, hotels, airports and building facades. The product is equally well suited for applications such as bathrooms, kitchens, and other high humidity areas subject to fungal and/or bacteria attack.

ADVANTAGES

- Excellent adhesion to concrete and a wide variety of other substrates such as wood, marble, metal and plastic.
- Excellent chemical resistance. Virtually no effect when exposed to a wide variety of harsh chemicals, or when cleaned with aggressive chemical based detergents or organic solvents.
- Outstanding gloss and color retention even under ultraviolet exposure. The finished surface is hard, smooth and glossy.
- Excellent sealing capacity against the penetration of water while retaining the ability to allow water vapor to escape. The material also seals the surface against the diffusion of carbon dioxide preventing premature carbonation of the substrate and resultant damage.
- Iso-Flex 640 WB provides a very attractive finished surface.

LIMITATIONS

- Application must be to a clean, dry substrate.
- Apply at temperatures above 50°F

- Keep from freezing
- Limit thickness to 15 wet mils per coat

PACKAGING

Iso-Flex 640 WB is available in one gallon and 5 gallon containers.

STANDARD COLOR

Clear, Gray, Black and White

TECHNICAL DATA FROM LABORATORY

TESTS

(Field Properties May Vary)

Property	Test Method	Test Result
Percent Solids	(Theoretical)	55%
Volatile Organic Content (VOC)	—	10 gms/l
Flash Point	Pensky Martin Closed Cup	>100°C
Pot Life	—	1-3 hours
Dry Time	Tack Free Hard Cure	6-10 hours 24 hours
Tensile Strength	ASTM D412	8000 psi
Ultimate Elongation	ASTM D412	20%
Hardness (Shore 'D')	ASTM C661	50
Abrasion Resistance	Tabor 1,000 Rev. CS 17 Wheel, 1000g	20 mgs
Impact Resistance	ASTM D2794 Direct Reverse	>160 in-lbs >160 in-lbs

INSTALLATION

Iso-Flex 640 WB should be applied over clean, dry substrate. Surface preparation and primer selection shall be as recommended by the manufacturer.

Iso-Flex 640 WB is a two-component material, and should be applied by experienced personnel. The material is typically applied by brushing or rolling

on the first coat and rolling on a top coat. The system may also be adjusted to spray apply. Tools may be cleaned immediately with water.

Iso-Flex 640 WB is applied over a clean surface in two coats spaced at intervals of approximately 12-24 hours. If first coat has cured for more than 24 hours the surface must be lightly sanded and wiped clean prior to proceeding with the next coat. The amount applied will depend on the porosity and nature of the substrate. A typical application on porous/semi porous substrates will require a first coat application rate of approximately 130 ft²/gal., and a second coat application of 130 ft²/gal. resulting in a finished film thickness of 12-14 dry mils. Over non porous substrates, such as an epoxy floor coating, apply one coat at 130-200 sq ft/gal.

PRECAUTIONS

To ensure safe installation of Iso-Flex 640 WB, please refer to the Material Safety Data Sheets that accompany each product shipment.

MAINTENANCE

The use of Iso-Flex 640 WB provides surfaces that are easy to maintain. The product has excellent anti-soiling properties, is resistant to aggressive chemical detergents and organic solvents, demonstrates good abrasion and weathering characteristics and will retain its gloss and color for extended periods. In the event of damage to the finished surface, reapplication may be accomplished in accordance with manufacturer's recommendations.

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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