

## Iso-Flex<sup>®</sup> 628 Sealer

### PRODUCT DESCRIPTION

Iso-Flex 628 is a V.O.C. compliant, clear, penetrating, breathable, water-based silane/siloxane concentrated sealer. The sealer is composed of a concentrated alkylalkoxy silane/siloxane emulsion in water. Iso-Flex 628 is specifically developed to protect new and existing, vertical or horizontal, concrete structures against the damaging effects of moisture intrusion, freeze/thaw scaling, and most importantly, chloride-ion (salt) intrusion.

### BASIC USES

The Iso-Flex 628 is used to seal and protect new and existing horizontal and vertical concrete and masonry from damage caused by water, chloride-ions, acids and freeze/thaw cycles. This product can successfully be used on parking structures, stadiums, plazas, bridges, buildings and other types of concrete or masonry structures.

### ADVANTAGES

- Iso-Flex 628 is VOC compliant, and meets the requirements of the Bay Area Air Quality Management district.
- Iso-Flex 628 is breathable.
- The active silane/siloxane penetrates into the substrate and chemically reacts within the pores of the surface, thereby providing long lasting water-repellent protection to poured in place concrete, precast or GFRC concrete, prestressed concrete, brick and CMU surfaces.
- Iso-Flex 628 does not normally alter the appearance of the substrate.

### LIMITATIONS

- Performance of the Iso-Flex 628 is closely tied to preparation of the substrate to be treated.

### PACKAGING

Iso-Flex 628 is available in 5 gallon pails and 55 gallon units.

### INSTALLATION

**Preliminary:** Test a small area of the surface before starting general application to establish coverage rates, determine any aesthetic change, and assure desired results.

### TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Results
VOC	ASTM D5095	<200 g/l
Active Content	—	10%
Flash Point	SETA	Greater than 100°C (212°F)
Surface Appearance after Application	—	Unchanged
Water Repellency	ASTM E-514	93% - CMU 96% - Brick
Water Absorption	NCHRP 244 Series II	85% min. compared to control
Chloride Absorption	NCHRP 244 Series II	84% min. compared to control

**Preparation:** New concrete surfaces to be treated shall be cleaned of all laitance, construction dust, and cured materials prior to application. Existing concrete surfaces should be thoroughly cleaned to remove any materials that will inhibit the penetration of the sealer. This may be done by water blasting, sandblasting or shot blasting the surface. Crack control, caulking, patching and expansion joint installation can be done prior to or following the application of the sealer.

**Installation:** Prior to beginning, surfaces to be treated must be clean and dry. Surface, air and material temperatures should be 40°F- 120°F during application. Do not apply Iso-Flex 628 when temperatures are expected to fall below 35°F within 8 hours. It is recommended to avoid rain for 4 hours following the application. Prior to beginning the application procedures, mix the product with a low speed drill and a mixing paddle. Then, apply Iso-Flex 628 on horizontal surfaces in a flooding action using a low-pressure spray. Normal coverage rates are 125 ft<sup>2</sup>-200 ft<sup>2</sup>/gallon. Allow to fully dry prior to opening to traffic. Painting of line stripes should be done following the application of the sealer. For application on a vertical surface, apply Iso-Flex 628 to saturation with a low-pressure sprayer. Start at the bottom of the wall and work up.

It may be necessary to apply two coats of this product for optimum results. They must be applied wet on wet in order to get maximum penetration of the active materials. The water repellent effect may not show up for several days on some substrates.

## **PRECAUTIONS**

To ensure safe installation of Iso-Flex 628 sealer, please refer to the Material Data Safety Sheet for detailed health and safety information prior to use.

## **MAINTENANCE**

Iso-Flex 628 requires little maintenance while in service. It is always a good idea to wash horizontal concrete surfaces twice a year with fresh water to remove any surface contaminants.

## **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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