

Iso-Flex® 825 Sealant

PRODUCT DESCRIPTION

Iso-Flex 825 is an excellent weatherproofing, paintable, zero VOC, one-component, general purpose **modified polyether** sealant used for sealing joints where maximum performance is required. The moisture cure mechanism of Iso-Flex 825 provides a resilient surface that is less susceptible to dirt pick-up, abrasion and surface cracking. Because of its high resilient and recovery nature, Iso-Flex 825 will suffer no distortion under continued movement.

BASIC USES

This resilient joint sealant is used in such widely diverse applications as panel joints, retaining walls, control joints and many other building construction applications. Iso-Flex 825 requires no priming on most common construction materials such as aluminum, stone, brick, etc., provided that the sealant joint is not immersed in water.

LIMITATIONS

Iso-Flex 825 is not recommended on clear glazing applications. A primer must be used for applications that are immersed in water.

PACKAGING

Available in 2 gal. containers and in 20 oz. foil pack sausages (packaged 12 per carton)

STANDARD COLOR

Mortar Grey, Concrete Grey, Limestone, Bronze, Off White. *(Special colors available on request)*

APPLICABLE STANDARDS

Iso-Flex 825 meets the performance standards of ASTM C-920, Type S, Grade NS, Class 25, Use T, NT, M, A, and O.

INSTALLATION

Preparatory Work: Thorough surface preparation is essential. Joint surfaces must be dry, clean, free of dust or form release agents and structurally sound. New concrete and mortar must be fully cured. Grind or sandblast the joint edges to remove laitance, unsound concrete and contaminants. When grinding do not glaze surface. Primer is required if the joints will be immersed in water. A field adhesion test is recommended prior to general application.

Application: Iso-Flex 825 is supplied in a non-sag consistency which will gun easily with conventional caulking equipment. Fill the joint completely and tool immediately to ensure full contact with the interfaces of the joint.

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Test Results
Weight per gal.	—	12.2 lbs.
Hardness (Shore A)	ASTM C661	30 ± 5
Weight Loss	ASTM C792	Nil
Cure Time	—	3 – 5 days
Adhesion-in-Peel	ASTM C794	20 lbs.
Tensile Strength	ASTM D412	150 psi
Elongation	ASTM D412	600%
Tear Strength	ASTM D1004	30 pli
Weathering Resistance	QUV – 313B Bulb	Little change after 5000 hours

Curing: Cure time will vary with temperature and humidity. At 75°F and 50%RH, a surface skin will form within 2 hours with full cure in 3 to 5 days, depending upon depth. The cure rate is reduced at lower temperatures and less humidity.

Cleaning: Remove all excess sealant and smears adjacent to the joint with solvent as work progresses. Clean application equipment with solvent before sealant cures.

PRECAUTIONS

Use Iso-Flex 825 with adequate ventilation and personal protection. Refer to Material Safety Data Sheet for detailed health and safety information prior to use.

MAINTENANCE

Damaged sealant can be repaired or replaced. Consult the manufacturer for specific recommendations.

WARANTY

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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