

ISOWEIR M97

WATER SHUTOFF

PRODUCT DESCRIPTION

ISOWEIR U97 is a semi-liquid paste-shaped, tixotropic, elastic when dry, water impermeable, highly resistant to various climatic conditions, highly UV resistant, structurally flexible elastomeric resin based liquid plastic sealant forming a monoblock structure.

AREAS OF USE

Flexible, durable, 100% waterproofing in fiber cement roofing, bitumen coated roof, sandwich panel roof systems, insulation of aluminum, wood and PVC frames against water and wind, metal roofs and gutters, joints and joints of building elements, eaves, Insulation of chimney flashings, cracks and other details, Concrete repair and protection of parapets, Insulation of concrete, plaster, screed, cement board, galvanized, zinc, aluminum, PVC, polyester, wood covered sloping or flat roofs and ceramic terraces, Insulation of exterior facades of buildings.

APPLICATION

Surface Preparation: Application surfaces should be cleaned from dust, dirt and oil and the surface should be dry. Loose layers should be removed and small cracks and irregularities on the surface can be corrected with ISOWEIR U97 mixed with finely washed sand in a ratio of 1 to 3 and turned into a putty. Before application, horizontal and vertical surfaces must be primed with "ISOWEIR FIXATOR" primer, leaving no open areas. ISOWEIR FIXATOR can be applied by brush, roller or spray gun. Felt must be applied on parapet corners, light shafts,



chimney flashing, bridging cracks, vertical and horizontal intersections. Surfaces exposed to pedestrian and freight traffic are recommended to be covered with a protective coating material such as screed and ceramic tiles.

Product Preparation and Application: The product is ready to use, no thinning is required. It is applied on all surfaces in 2 coats provided that there is no open area, waiting for the required drying time between the coats and applied with a brush or roller. Since the product is water-based, it dries with the removal of the water inside. For this reason, the drying time shortens as the temperature increases.

Points to be Considered: Eyes should be protected during the application. It is recommended to wear gloves. In case of skin contact, wash thoroughly with plenty of water and soap. In case of contact with eyes, consult a doctor.

FEATURES, ADVANTAGES

- ◆ **Elasticity:** Elastic insulation has an exceptionally flexible structure. Tests have shown that it has 625% stretch and tensile strength.
- ◆ **Fire Resistance:** Non-ignitable, self-extinguishing when exposed to a hot flame without spreading the flame. Thanks to this feature, it meets the definition of "fire retardant coatings".
- ◆ **Weather Resistance:** The elastic insulating dry film layer is highly resistant to ultraviolet radiation. It prevents water ingress with its water repellency feature. Weather Fastness(1-5) : Value 5

HEALTH AND SAFETY INFORMATION

- ◆ Please consider the hazard and precautionary statements indicated on the product packaging.
- ◆ Follow the guidelines specified in the product's safety data sheet.
- ◆ In case of unexpected health issues, consult the nearest healthcare facility.



TECHNICAL SPECIFICATIONS

Color	White
Appearance	-
Density (20 °C)	1,44 – 1,45 kg/cm ³
Solid Matter (% Weight)	%73-77 (ASTM D 4209)
PH (25 °C)	8-9 (ASTM E70)
Dry Film Thickness	E5 (TS 1062-1)
Elongation at Break	300 % (TS1967)
Tensile Strength	6,04 N (TS1967)
Water Transmission Rate	0,098 kg/(m ² .h) class W3 (TS 7847)
Water Vapor Differential Value	21 gr/m ² Day class V2 (TS 7847)
Light Fastness (1-8)	8
Application Temperature (°C)	+5 °C – 30 °C
Application Apparatus	Brush, roller
Thinning Rate	None
Mixture Life (20 °C)	-
Amount of Use m ² /kg	1,500 – 2,000 kg (double coat)
Drying Time (20 °C)	Initial Curing: 2 hours Full Curing: 24 hours
Packaging	20 kg - 5 kg Plastic bucket
Storage Temperature	It should be stored in a place not exposed to direct sunlight, protected from frost, in closed packaging at 5 °C - 35 °C.
Storage Duration	1 Year
Quality Certificate	ISO 9001 – TS 7847 It conforms to BS6920 - 21:2014 standard for contact with drinking water.

