

# ISOWEIR U96

## WATER SHUTOFF

### PRODUCT DESCRIPTION

ISOWEIR U96 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

In foundation and retaining walls, In waterproofing (encapsulation), In basement floors and foundation insulation, At expansion joints of surface connection points, At connection points and joints of structural elements, In the repair and protection of parapet concrete, For waterproofing bathrooms and wet areas, and for ceramic bonding, In insulation of concrete, plaster, screed, cement boards, PVC, polyester, sloped or flat roofs, and ceramic terraces, In roof gutters and channels, For insulation of eaves, chimney bases, cracks, and other details, In the insulation of building facades, For protecting wooden and PVC frames against water and wind, On fiber cement roofs, bitumen-coated roofs, To provide durable, 100% waterproof insulation.

### 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 U96 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 in pool insulations. 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 <sup>3</sup>
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 <sup>2</sup> .h) class W3 (TS 7847)
Water Vapor Differential Value	21 gr/m <sup>2</sup> 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 <sup>2</sup> /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.



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