

## ADH - M102 BONDING PLASTER

### PRODUCT DESCRIPTION

ISOWEIR ADH – M102 is a high-adhesion product that enables the installation of extruded and expanded polystyrene boards, aerated concrete boards, decorative profiles, and their varieties onto wooden, concrete, or metal surfaces without the need for dowels, bolts, or similar fixtures. It is a high-performance adhesive that does not contain cement or sand.

### AREAS OF USE

It is used for bonding and installation on all concrete surfaces, wood, metal, aerated concrete, drywall, cement boards, ceramic, artificial stone, natural stone, and glass mosaic surfaces.

### APPLICATION

**Surface Preparation:** On concrete surfaces, the entire surface should be cleaned of dust, dirt and free particles by mechanical means. Flaked paint on the surface, if any, should be scraped off to reach a solid base. Deep pits and cracks should be filled by adding micro polymer primer material into the fiber mortar in the amount of water to be used in order to provide optical unity. If there is mold and moss on the surfaces, it should be eliminated with fungicidal materials. Apply ISOWEIR FIXATOR on the cleaned surface with 150 - 250 gr per m<sup>2</sup>.

**Product Preparation and Application:** The product is ready to use, no thinning is



required. Mix well before use. Polystyrene plates are glued to the surface without applying impact by punctuating. The metal surfaces to be applied must be clean and oil-free. The bonding plaster is applied to the surface in the form of punctuation in the assembly of heavy jambs with a coated surface. However, the bonding process is carried out after waiting at 20°C for 10 minutes in order to prevent slipping down due to the weight. The waiting time shortens with increasing temperature and increases with decreasing temperature.

**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

- ◆ It has high adhesion properties.
- ◆ Easy to apply. It is extruded and expanded. It enables the installation of polystyrene plates, aerated concrete plates, jambs and their types on wood, concrete, metal, glass surfaces without the need for dowels, bolts, etc. apparatus.
- ◆ It is ready to use and does not contain cement and sand.
- ◆ 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". Sheathing made with polystyrene foam does not have this feature.

## 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.



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## TECHNICAL SPECIFICATIONS

Color	White
Appearance	-
Density (20 °C)	1,10 – 1,20 gr/cm <sup>3</sup> Thixotropic
Solid Matter (% Weight)	%75 – 76 (ASTM D 4209)
PH (25 °C)	8-9 (ASTM E70)
Dry Film Thickness	E5 (TS 1062-1)
Elongation at Break	-
Tensile Strength	5,4 N (TS EN 1967)
Tensile Adhesion Resistance (Strength)	0,8 N / mm <sup>2</sup> (TS EN 1348)
Heat-Aged Adhesion Strength	1 N / mm <sup>2</sup>
Freeze Thaw Adhesion Strength	0,7 N / mm <sup>2</sup>
Light Fastness (1-8)	8
Application Temperature (°C)	5 °C – 35 °C
Application Apparatus	Trowel (Lump System)
Thinning Rate	None
Mixture Life (20 °C)	-
Amount of Use m <sup>2</sup> /kg	0,750 – 1,000 kg (single coat)
Drying Time (20 °C)	Initial Curing: 2 hours Full Curing: 24 hours
Packaging	18 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 The invention patent belongs to our company.

