

# ISOVIT EASYPRO

FIBRE-REINFORCED MORTAR FOR REGULARISATION AND FINE SANDED FINISH

## 1. DESCRIPTION

**ISOVIT EASYPRO** is a bonding and smoothing mortar, made from mixed binders, selected aggregates and additions, which provides a fine sanded finish, ready to be painted.

## 2. FIELD OF USE

**ISOVIT EASYPRO** is specially designed for bonding and smoothing EPS or GRAPHITE EPS panels in interior and exterior thermal insulation systems, namely **ISOVIT** systems, on masonry, concrete block, concrete and plaster substrates.

**ISOVIT EASYPRO** is also suitable for renovating existing painted façades, as it allows exterior thermal insulation systems to be bonded directly to this type of substrate in conjunction with the use of mechanical fixings - **ISOVIT BUCHA**.

For non-standard applications or special circumstances contact our Technical and Commercial Services.

## 3. PRODUCT FEATURES

Features	Figure
Colour	White
Grade	<2 mm
Paste product	Figure
Mixing water	18.0 % ± 1.0 %
Theoretical consumption	3.5 to 4.0 kg/m <sup>2</sup> – Bonding 1.3 kg/m <sup>2</sup> /mm – Smoothing
Hardened product	Figure
Compressive strength	CS IV
Adherence to brick/block / Fracture mode	≥ 0.5 MPa / B
Elasticity modulus	≥ 8 GPa
Adherence to insulation board (EPS; GRAPHIT EPS)	Leakage within the insulation
Density	1400 ± 150 kg/m <sup>3</sup>
Capillarity (kg.0-2.min <sup>-0.5</sup> )	Class W <sub>c</sub> 2
Permeability to water vapour	< 35 µ
Reaction to fire	Class A1
Thermal conductivity	0.45 W/(m.K) (P=50%)

## 4. APPLICATION

### a) Preparation of substrates

Surfaces must be hardened, clean of dust, releasing agents, crumbling or unstable materials, efflorescences, as well as any type of material affecting the conditions of adherence.

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The substrates must be flat, checking with a two-metre ruler that there are no irregularities greater than 1 cm. Otherwise, they should be smoothed. Previously applied plasters must have a "trowelled" texture type and cure for about 28 days, protected from the weather.

For application on painted surfaces, the paint must have sufficient adherence to support the new coating.

If necessary, clean the surface with suitable detergents to remove oils and residues accumulated on the surface.

## b) Preparation of the mixture

**ISOVIT EASYPRO** should be mixed with 4.25 to 4.75 litres of clean water (preferably drinking water) for each bag of product, using an electric mixer, until a smooth paste is obtained.

## c) Application

- Apply to masonry and uneven surfaces (gradient more than 1 cm every 2 metres)

Bond the panels by laying a continuous line of mortar around the perimeter, adding at least three bonding points in the centre of the panels. Provide for mechanical fixing with **ISOVIT BUCHA** (recommended minimum – 6 per/m<sup>2</sup>).

- Apply to even plaster or concrete surfaces (preferred)

Continuous bonding using a 10 mm notched trowel, laying the mortar on the back of the panels. Provide for mechanical fixing with **ISOVIT BUCHA** (recommended minimum – 6 per/m<sup>2</sup>).

- Recommendations for bonding

The procedures for the development of bonding should ensure uniformity of surfaces, that the panels are level and without gaps and that there is no mortar between them.

- Regularisation

Spread **ISOVIT EASYPRO** on the insulation panels, suitably arranged and adhered to the surfaces. Apply a first layer with a 10 mm notched trowel and immediately proceed to soak the fibreglass mesh suitable for the application - **ISOVIT REDE 160** or **ISOVIT REDE 343**.

Apply a second layer to completely hide the mesh and give the surfaces the flatness needed to receive the final finish layer. The total thickness of this layer must be at least 6 mm.

- Finish

The final layer of **ISOVIT EASYPRO** allows a fine sanded finish to be obtained using the traditional sponging process. After complete curing, recommended 28 days, the surface should be finished with a paint scheme.

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## d) Restrictions

- **ISOVIT EASYPRO** does not dispense with the application of a paint system as a final finish;
- **ISOVIT EASYPRO** should not be applied at temperatures below 5 °C and above 30 °C.
- Application in the presence of strong winds can cause cracks in the mortar. In this case, protect the surfaces to minimise the effects of wind;
- **ISOVIT EASYPRO** must be coated within 30 days of applying the last layer. In the event of a longer period, the condition of the coating and the need for re-rendering should be assessed.

## e) Complementary advice

- Do not use **ISOVIT EASYPRO** to fill joints between insulation panels;
- Any mortar that has exceeded its open time must not be applied. Do not soften the mortar by adding water after preparation;
- Do not add any other products to the mortar, and **ISOVIT EASYPRO** should be applied as shown in the original packaging.
- The water in the mix must be free of impurities (clay, organic material), preferably being of drinking quality.
- Protect the upper edges of the rainwater coating;
- See APFAC's ETICS Systems Application Manual for more information on ETICS systems.

## 5. PACKAGING AND VALIDITY

### Packaging

Plastic pallets of 60 x 25kg paper bags.

### Expiry

12 months, provided the original packaging conditions remain unchanged and in storage conditions protected from extreme temperatures and humidity.

## 6. HYGIENE AND SAFETY

(DOES NOT PRECLUDE THE PRODUCT SAFETY DATA SHEET)

- Irritant to the eyes, respiratory system and skin;
- May cause sensitivity in contact with the skin;
- Do not inhale the dust;
- Avoid contact with the skin and eyes;
- In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice;
- Wear suitable protective clothing and gloves;
- Keep out of the reach of children.

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## ISOVIT EASYPRO

EN 998-1

Industrial mortar for general use (G) for bonding insulation panels

Declaration of performance DOP.13030

*Since the conditions of application of our products are out of our control, we cannot be held responsible for their incorrect use. It is the customer's responsibility to verify the suitability of the product for its intended purpose. In any case our liability is limited to the value of the goods provided by us. The information contained in this factsheet may be changed without notice. In case of doubt, and should you require further clarification, we recommend you contact our technical services.*

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