



# RÖFIX IA 622

Adhesive-coating mortar for fixing and coating

**Technical information and recommendations:**

For information and advice on the safe handling, storage and disposal of our products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data. The essential mandatory requirements for tools, methods and precautions to be employed shall be in accordance with the requirements specified in the general and relevant codes for their respective countries (UNI, ÖNORM, SIA, etc.) and with the recommendations issued by the national bodies (e.g. SMGV, ÖAP, HQ-WDS).

**Intended uses:**

Mineral grey adhesive and reinforcing mortar for thermal insulation panels (EPS-F).  
 For reinforced layers with a thickness of 3 mm (rated mortar thickness).  
 RÖFIX IA 622 shall be used for fixing (without anchors) white polystyrene boards with a maximum thickness of 10 cm to a brick substrate.  
 RÖFIX IA 622 shall only be used for fixing EPS-F graphite polystyrene boards with anchors. Anchors shall always be used on concrete and old plaster substrates.  
 For safety reasons, supplementary to fixing the polystyrene boards with RÖFIX IA 622, it is recommended to fasten them with anchors.  
 All works covered under this document shall be in compliance with all applicable codes, standards, guides, statutory regulations and safety requirements in force.

**Characteristics/Advantages:**

- Very good workability
- Fast and efficient application

**Application:**



<b>Product data:</b>	
SAP-Art. No.:	2000569272
NAV-Art. No.:	137171
Packaging type	
Units on pallet	48 UM/Pal. (AT) 48 UM/Pal. (CH) 48 UM/Pal. (BA) 48 UM/Pal. (BG) 48 UM/Pal. (HR) 48 UM/Pal. (RS) 48 UM/Pal. (SI) 48 UM/Pal. (SQ)
Quantity per unit	25 kg/UM
Colour	grey
Aggregate size	0.8 mm
Output in litres	approx. 720 L/to
Indicative amount required	8.4 kg/m <sup>2</sup>
Indicative amount required (adhesive)	4 - 5 - approx. 4.5 kg/m <sup>2</sup>
Indicative amounts	Consumption values are indicative and may vary depending on the substrate and placement method.
Water mixing ratio	approx. 8 L/UM
Coefficient of relative diffusion resistance $\mu$	25 - 30
Coefficient of relative diffusion resistance $\mu$	approx. 28
S <sub>D</sub> value (Relative diffusive resistance)	approx. 0.08 m
Thermal conductivity $\lambda$ 10,dry (EN 1745:2002)	0.82 W/mK (tabulated value) for P=50%
Thermal conductivity $\lambda$ 10,dry (EN 1745:2002)	0.89 W/mK (tabulated value) for P=90%



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Compressive strength (28 d)	12 N/mm <sup>2</sup>
Flexural strength	≥ 3 N/mm <sup>2</sup>
Modulus of elasticity	approx. 9,500 N/mm <sup>2</sup>
Water absorption	< 0.5 kg/m <sup>2</sup> 24h (as per ETAG 004)
Dry bulk density	approx. 1,500 kg/m <sup>3</sup>
Drying time	approx. 7 d
Packaging information	Water resistant paper bags.
Substrate temperature	> 5 - < 25 °C
Reaction to fire	A1 (EN13501-1)

- Constituents:**
- Cement
  - High quality crushed limestone sand

**Application information:** During application and drying, the ambient air and substrate temperature, respectively, should not fall below +5 °C. Until complete drying protect the applied product against rapid drying (air currents, direct sunlight) and humid/damp conditions (rainfall).

**Substrate:** The substrate must be dry, resistant, clean, free of dust, algae, efflorescence, soot, etc.

**Substrate preparation:** Remove any separation agents (form oil etc.). Sandy or weak surfaces are to be primed or removed. Thermal insulation panels will be further fastened with anchors on old or non-resistant plasters.

**Mixing:** During manual preparation, the entire contents of the bag is thoroughly mixed with clean water until a uniform consistency is achieved, using an electric drill/mixer at low speed. Mix time is up to 2 to 3 minutes for manual mixing. After mixing, leave to rest for about 10 minutes (setting time). Remix briefly before use.

**Application:** Fix thermal insulation panels: The adhesive is applied on the panels, around the circumference and in additional points (ensuring a minimum surface coverage for adhesion equal to approx. 40% of the size of the panel). Wide band around the circumference of the panel of approx. 5 cm and a height of approx. 2 cm. Notched trowel R12  
Embedding fiberglass mesh on thermal insulation panels: The reinforcing mortar is applied on the panel as a continuous layer of about 3 mm thick using a notched trowel with 12 mm notches not later than 2-3 days after fixing (if the adhesive hardened sufficiently, depending on ambient conditions and anchors). The reinforcing mesh should be embedded into the mortar glue, starting from the top by pushing it across its whole width, evenly stretched over the entire surface, without any waves, humps or bumps, while maintaining a vertical and horizontal overlap of at least 10 cm using a trowel. After drying for 5-7 days (depending on ambient conditions, humidity and cold), priming of the surface can be performed in order to ensure optimal adhesion of decorative plaster to the surface.

**Recommendations:** When dark shades with a brightness <25% are used, application shall be in accordance with all relevant requirements as per the RÖFIX Syco- Tec. Directive.

**Hazard Information:** Detailed product safety information is obtained from the Safety Data Sheets. Before work commences, refer to the Product Data Sheet and Safety Data Sheet.



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<b>Placement conditions:</b>	<p>After 2 days at 15 °C and 50% relative humidity, the adhesive layer is partially resistant and can be mechanically fixed.</p> <p>Before fastening anchors and until the adhesive has hardened completely, the thermal insulation panels cannot be mechanically loaded (e.g. strong impacts, sanding or strong wind).</p> <p>Base panels shall have a rough surface and should be visibly dry, with no liquid or rinsing water (e.g. dew). Fresh mortar is suitable for use for 2 hours.</p> <p>The product in already opened bags shall not be re-used and/or mixed in fresh batches.</p>
<b>Storage:</b>	<p>Store in dry places, on wooden pallets.</p> <p>Minimum 6 months, in dry places. As per the requirements of Regulation 1907/2006/EC Annex XVII at 20 °C and 65% relative humidity.</p>

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**General remarks:**

This technical data sheet voids and substitutes all previous editions.

The data and instructions in this data sheet are based on our best practical and laboratory experience.

The information, and, in particular, the recommendations relating to the application and end-use of our products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with relevant recommendations. Actual measured data may vary due to circumstances beyond our control. No warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The information presented does not create a legal relationship between the manufacturer and the user. The disclosure of this information does not release the user of his/her own evaluation of the product's suitability for the intended application and purpose.

We ensure the constant quality of our products through regular monitoring of the production process and the quality of the raw materials in use.

Refer to our technical service for further information and demonstrations. Updates to the current Safety Data Sheets are available on the website or at the national headquarters.