When applying over old powdery plaster, it is always a good rule to apply a consolidating coat of PRIMER FIX first.

**METHOD OF USE**

- **PREPARAZIONE DELL’IMPASTO** Mix THERMOBOND inside the tin with an electrical mixer on low speed for the amount of time needed to obtain a uniform product (1).
- **APPLICATION** prepared as above is used to bond mineral wool and natural fibre, expanded and extruded polystyrene and polyurethane panels, etc. Then place and gently press the panels against the wall (3).
- **COVERAGE** 2 - 5 kg/m².

It can also be applied as a finish with a paintbrush onto polystyrene profiles. THERMOBOND is also used for bonding mineral fibre panels onto wooden supports.

**APPLICATION FIELDS**

THERMOBOND is a product used in external wall insulation systems with excellent adhesion to different surfaces, such as: concrete, cement-based mortar, wood, brick etc.

**ADVANTAGES**

- THERMOBOND effectively bonds all of the many types of insulating panels on the market.
- It provides an excellent protection for the façade from driving rain and aggressive atmospheric agents.
- It guarantees easy and reliable installation.
- It solves the problems of bonding and smoothing insulating panels with a single product.

**PRECAUTIONS**

- Storage: Keep away from frost
- Method of use: Apply by roller
- Method of application: 6 layers

**METHOD OF USE**

1. Wall made of X-LAM
2. Heat insulation panel THERMOSENSILERock bonding with THERMOBOND
3. Mechanical fixing
4. Render THERMOBOND and RETINVETRO PER RASANTI
5. Render THERMOBOND
6. Finishing DECORFINE SIL

**APPLICATIONS**

- Bonding and skimming exterior wall insulation panels
- Smoothing-adhesives for exterior insulation systems
- Insulating panels used for the external wall insulation of residential buildings require a strong reliable bond which will hold them fast over time.
- THERMOBOND is a smoothing adhesive based on resins in aqueous dispersion, which are compatible with cement and plaster, selected quartz sands and suitable additives to improve the workability of the product.

**CHARACTERISTICS**

- One-component
- Water based
- Recyclable
- Mechanically applied
- Roller application

**ENVIRONMENTAL**

- Eco Green

**METHOD OF USE**

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### TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>THERMOBOND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td>Creamy paste</td>
</tr>
<tr>
<td>Colour</td>
<td></td>
<td>white</td>
</tr>
<tr>
<td>Density</td>
<td>EN 2811-1</td>
<td>1.50 ± 0.10 kg/L</td>
</tr>
<tr>
<td>Dry residue</td>
<td></td>
<td>61.5%</td>
</tr>
<tr>
<td>Storage in original packaging in a dry place (away from frost)</td>
<td></td>
<td>12 months</td>
</tr>
<tr>
<td><strong>Workability properties</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Workable mix duration (*)</td>
<td>approx 1 ÷ 2 hours</td>
<td></td>
</tr>
<tr>
<td>Waiting time - for total dry</td>
<td>approx 5 ÷ 6 hours</td>
<td></td>
</tr>
<tr>
<td>Application temperature</td>
<td></td>
<td>+5°C ÷ +35°C</td>
</tr>
<tr>
<td>Minimum application thickness</td>
<td></td>
<td>0.5 mm</td>
</tr>
<tr>
<td>Maximum application thickness</td>
<td></td>
<td>2.0 mm</td>
</tr>
<tr>
<td><strong>Performance characteristics - mixed with ptl325</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compression strength - after 28 days</td>
<td>EN 12190</td>
<td>≥10 MPa</td>
</tr>
<tr>
<td>Bending strength - after 28 days</td>
<td>EN 196-1</td>
<td>≥3 MPa</td>
</tr>
<tr>
<td>Chloride ion content</td>
<td>EN 1015-17</td>
<td>Absent</td>
</tr>
<tr>
<td>Bond strength</td>
<td>EN 1542</td>
<td>≥0.8 MPa</td>
</tr>
<tr>
<td>Thermal compatibility with frost-thaw cycles - Part 1</td>
<td>EN 13687-1</td>
<td>≥0.8 MPa</td>
</tr>
<tr>
<td>Absorption of water by capillarity</td>
<td>EN 13057</td>
<td>w ≤ 0.5 kg/m²·h⁰.₅ - W1</td>
</tr>
<tr>
<td>Permeability to water vapour</td>
<td>EN 1015-19</td>
<td>μ = 60</td>
</tr>
<tr>
<td>Thermal resistance - Operating temperature</td>
<td></td>
<td>-30°C ÷ +90°C</td>
</tr>
</tbody>
</table>

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in test area <0.2 m/s. The data shown may vary depending on the specific work site conditions: temperature, humidity, ventilation, absorbency of the base coat.

(*) The times indicated will be longer or shorter as the temperature drops or rises.

### PACKAGING

- 25-kg Pails.

### PRECAUTIONS

- Avoid preparing the mix manually.
- Application temperature from +5°C to +35°C.
- In hot weather, keep damping the finished mortar surface for at least 24 hours to stop it from drying out too quickly.
- Only use panels without a “skin” (surface film).
- For that purpose, please consult the chapter entitled “EXTERNAL WALL THERMAL INSULATION SYSTEM AND THERMAL INSULATING PLASTER”.
- The workability time is reduced in hot weather due to the fast filming of the resin.
- Straight after application clean the tools with water and the coated surfaces with a damp cloth.
- Do not expose the material to the sun in hot weather.
- Not frost-proof, store in original closed packaging in a dry place. Protect against frost or high temperatures.

*(See previous)