

## TermoK8® Phenolic



An ideal solution for combining high thermal efficiency and thin insulation. Particularly suitable in enhancing the energy efficiency of existing buildings thanks to reduced thicknesses with the same insulating capacity.

### COMPONENTS

**BASE COAT:** Klebocem

**INSULATING MATERIAL:** Kingspan Kooltherm K5

**BASE COAT:** Klebocem

**REINFORCEMENT:** Armatex C1 - Armatex C1 "R"

**FINISHING COAT:** Rivatone Plus

*The finishing can also be carried out with hydro-silicone coating*

### ACCESSORIES:

*Depending on the type of wall to be rendered and the project*

### High performance insulation for use in Ivas Phenolic Render system

#### Benefits of Phenolic

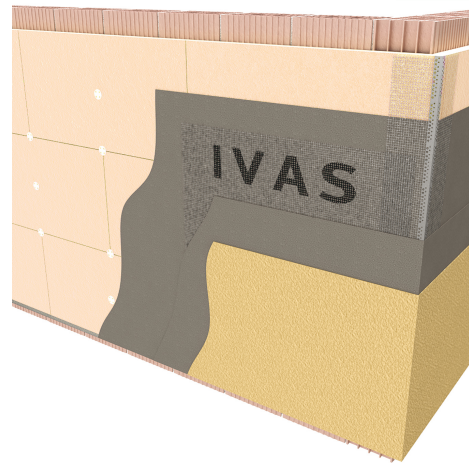
- Premium performance rigid phenolic insulation
- thermal conductivity 0.020-0.022 W/m K.
- Negligible smoke obscuration.
- Class O / low risk fire rating.
- CFC / HCFC free with Zero Ozone Depletion potential.

#### Reinforced thin render

The initial alignment and containment of the insulation system will be achieved by mechanical application, by means of anchor plugs, and an aluminium alloy section (base profile) around the perimeter of the ground floor of the building, in accordance with the thickness of the insulation.

KOOLTHERM K5 insulating panels are installed complying with the UNI EN ISO 13165 regulations, dimensions 120 cm x 60 cm and a thickness depending on the design calculation. The panels will be anchored to the surface of the facades (placed horizontally starting from the bottom and with vertical offsets) by spreading Klebocem adhesive mortar, in strips along the perimeter of the slab and in central points ensuring correct adhesion of the perimeter of the insulating panel to the support. 4-6 approved anchor plugs per m<sup>2</sup> with an anchorage depth of at least 4 cm are to be inserted in the solid part of the wall.

Before rendering the insulating panels, corner profiles must be applied at all angles to protect the whole insulation system (the use of galvanized or painted steel profiles is not permitted).



#### Reinforced thin render

The insulating panels will be coated in place with Klebocem levelling mortar and whilst still wet, bed in Armatex C1, a special sized alkali-resistant, woven glass fibre mesh. The overlaps of the mesh must be at least 10 cm and 15 cm near corners, which are already protected by corner profiles. When the first coat of mortar is completely dry, finish the reinforced coat by applying a subsequent levelling coat to completely cover the mesh.

#### Finishing the coat

When the surface is completely dry, apply a single continuous layer of the granular coating Rivatone Plus, with a trowel and then level. This coating has excellent protection against algae growth and is specifically formulated for rendering systems. A light finishing colour is recommended, or at least one with a light reflection index of more than 25%.

Horizontal and vertical interruption bands must be provided for, in order not to show defects deriving from resumptions of application. During application the ambient temperature must be between +5°C and +35°C with relative humidity of no more than 80%.

#### Accessories

To ensure that the system is completed correctly, accessories will be used on expansion and connection/intersection joints. Any other functional and/or decorative accessory components are dependent on the complexity of the project.

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