

Exposed waterproofing of roofs that are occasionally walkable with acrylic systems

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APPLICATION DATA SHEET

Exposed waterproofing of roofs that are occasionally walkable with acrylic systems by:

1. preparation of the substrate;
2. waterproofing;
3. completion of operations

1) PREPARATION OF THE SUBSTRATE

Refer to the Application Data Sheet "Preparation of substrates to be waterproofed" ([LV80](#)) for what concerns the cleaning of the substrate; preliminary controls; preparation of the substrate; and control and restoration of joints and connecting gutters.

On the surface to be waterproofed, clean and mechanically consistent, apply primer **Kimicover FIX MV**.

The contact points between the screed and the collection pits, after the removal of any tiles and, if necessary, the reconstruction of the external edges of the joints, once cleaned, will be waterproofed by applying **Kimicover JOINT P** and **Kimicover 501** reinforced with mesh **Kimitech 120**.

The joints between the wall and the floor will be waterproofed by applying **Kimicover JOINT** and **Kimicover 501** reinforced with mesh **Kimitech 120**.

The joints will be waterproofed by laying preformed plastic cord in closed polyethylene foam **Ethafoam**, sealed with **Tecnoseal 130** or **Tecnoseal 88** (wait at least 24 hours before the application of elastic membrane **Kimicover JOINT**).

2) WATERPROOFING

On the surface to be waterproofed, clean, sound and wet, apply **Kimicover 501** with a brush or roller, with a consumption of about 1 kg/m², making sure of soaking the reinforcement mesh **Kimitech 120**.

After 12 hours, apply with a brush, roller or low-pressure spray gun (in case of applications with airless pump, the product can be diluted with 10% of water) a second layer of **Kimicover 501**, with a consumption of at least 1,5 kg/m².

3) COMPLETION OF OPERATIONS

When a "cool-roof" finishing is required, it is possible to complete the waterproofing with a layer of **Kimicover BLINDO** in the high reflective variant.

POSSIBLE ALTERNATIVES

If, as an alternative to **Kimicover 501**, resin **Kimicover LASTIC** is employed, a layer of **Kimicover BLINDO** (0,5 Kg/mm²) will be necessary.

As an alternative to **Kimitech 120** it is possible to use **Kimitech TNT**.

Note

Provide for water vapor vent chimneys appropriately displaced according to the humidity present in the substrate.

After evaluating the thermohygrometric conditions of the environment below the covering, apply an aerator:

- every 40 m² for environments characterized by low humidity and the presence of special layers of vapor diffusion;
- every 20 -25 m² for environments with average humidity;
- every 15 m² for environments with high humidity (swimming pools, environments which underwent special procedures, etc.).

Kimicover 501 is not suitable for permanent contact with water.

Do not use the product in case of drains or stagnant water areas.

Do not apply Kimicover 501 on substrates with rising damp.

Bituminous materials rich in volatile substances can stain and soften the coating of Kimicover 501.