

Monolithic elastic polyurethane waterproofing of existing coverings coated with old membranes

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APPLICATION DATA SHEET

Monolithic elastic polyurethane waterproofing of existing coverings coated with old membranes prior:

1. preparation of the substrate;
2. waterproofing.

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.

In the case of regular and perfectly flat substrates, **Kimicover 601P** can be applied without reinforcement mesh, otherwise where the product could be applied in uneven thicknesses, use mesh **Kimitech 120** or alternatively **Kimitech TNT**, soaked in the first layer of product while still fresh.

2) WATERPROOFING

Once the substrate is ready, proceed with the application of **Kimicover 601P** with a brush or roller or spray with a consumption of about 1-1.5 kg / m².

12 hours later, apply a second coat of **Kimicover 601P** with a brush, roller or spray, respecting a consumption of not less than 1-1.5 kg / m².

If a "cool roof" finish is required, it is possible to complete the waterproofing with a coat of **Kimicover 301 NF** in the high reflectance variant.

POSSIBLE ALTERNATIVES

As an alternative to **Kimicover 601 P** it is possible to use single-component acrylic resin **Kimicover 501**

Note

For spray applications the pumping device must respect the following parameters:

- pressure: 200-250 bar
- nozzle Ø: 0.38 - 0.53 mm
- angle: 50 - 80 °

Make sure that the expected thickness of material, sprayed on inclined surfaces, is not dripping. In case, provide more layers of lower thickness.

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.).