

## Exposed walkable waterproofing with elastic polyurethane systems

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### APPLICATION DATA SHEET

Exposed walkable waterproofing with elastic polyurethane systems:

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

#### 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

In case of application on screeds, glazed tiles or bituminous membranes, apply **Kimicover FIX MV** by brush or roller.

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 / m<sup>2</sup>.

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 / m<sup>2</sup>.

#### 3) COMPLETION OF OPERATION

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.

#### 3A) TILING

To make an upper tiled surface, provide a suitable layer of adhesive bridge and alkali barrier, by waste-dusting with dry quartz sand **Kimifill MP**, on a special additional layer of fresh product (respecting a consumption of 300 g / m<sup>2</sup>).f **Kimicover 301 NF** in the high reflectance variant.

Once the last coat of **Kimicover 601P** has cured, (1-2 days at 20 ° C; 10-15 days at 5 ° C) proceed with bonding the

coating to be made using powder adhesive for tiles **Aderflex KR**.

Respect the consumption of material provided in the Technical Data Sheet.

Finally, plaster the grout lines with special cement-based mortar **Fugaflex EVO**. Respect the consumption rates indicated in the Technical Data Sheet.

#### POSSIBLE ALTERNATIVES

As an alternative to **Kimicover 601P** it is possible to use single-component acrylic resin **Kimicover 501** or single component water-based polyurethane liquid membrane **Kimicover 701P**.

#### 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 m<sup>2</sup> for environments characterized by low humidity and the presence of special layers of vapor diffusion;
- every 20 -25 m<sup>2</sup> for environments with average humidity;
- every 15 m<sup>2</sup> for environments with high humidity (swimming pools, environments which underwent special procedures, etc.).

**Kimicover 601P** 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 601P on substrates with rising damp.*

*Bituminous materials rich in volatile substances can stain and soften the coating of Kimicover 601P.*