

## Technical Data Sheet

### Qseal 2K

Two-component sealant  
for insulating balconies and terraces



#### PROPERTIES

**Qseal 2K** is a two-component, elastic sealant made of cement, selected aggregates and synthetic polymers. **Qseal 2K** adheres perfectly well to the majority of construction substrates (brick, concrete, drywall etc.) creating a coarse, ideally adhesive surface for next layers. The product is very resistant to water, also in its permanent presence and stays elastic even at -20°C. It is available in two-component form (liquid and powder) which combine into a semi-liquid, easily applicable mass, also for vertical and complex-shape surfaces. **Qseal 2K** is resistant to ice-removal salts, sulphates and chlorides.

#### DESIGNATION

**Qseal 2K** sealant mortar serves as elastic waterproof insulation for the tiling of

- balconies and terraces
- wet rooms: bathrooms (shower cubicles, shower bases, washing rooms, kitchens etc.)
- other areas to be covered with tiles.

#### USE

##### Substrate preparation:

The substrate must be load-bearing and free from dirt, anti-adhesive products, cement milk, water pools, hoarfrost and any elements not permanently bound to it (remove any old layers which do not stick well). New plasters and concrete have to be well-set and matured.

Spread quick-setting mineral mortar over any gaps. Treat strongly absorbent mineral substrates (concrete, cement plasters, cement-lime plasters, cement screed) with **PRIMER MASTER** first. Cover any expansion provisions, working grouts and flooring/wall joints with elastic sealing **Qseal** tapes to be covered with the mix. Floor drains and pipe outlets should be insulated with sealing cuffs to be covered with the mix.

##### Sealing mixture preparation:

To prepare two-component sealant **Qseal 2K** for application, pour the liquid dispersion into a container and add the powder, mixing it with a low-speed stirrer basket until homogeneous (approx. 4-5 minutes). Leave for approx. 5 minutes to mature and mix again. The components are provided in correct proportions for the mix. If you need thinner mix (slurry), add max 1-3% water (per weight) to the first layer mix.

##### Product application:

Apply at least two layers of **Qseal 2K**. The first layer (slurry) should be applied generously with a paint or masonry brush (to obtain a 1-1,5mm layer thickness – you can determine it by monitoring product consumption), vigorously brushing the mix into the substrate. All the other layers (trowel texture is recommended) can be applied with a steel float 4 hours after the first layer has set. The whole insulation should be 2 to 3 mm thick, depending on purpose. The surface

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can bear load after the time specified in the “Technical Data” table. To put ceramic tiles on terraces, balconies and other surfaces, use elastic glues.

## Tool cleaning:

Wash the tools with water and dry them. Any dried residues can be removed mechanically.

## TECHNICAL DATA

Colour:	Gray
Mixing proportions:	1 (liquid) : 3 (powder)
Application time of the mixture:	approx. 45 minutes at + 20°C
Single layer thickness:	1,0 – 1,5mm
Drying time before placing next layer:	4-6 hours (for +23°C)
Number of layers:	2-3
Substrate and air temperature during application:	from +5°C to +25°C
Apply with:	Brush, steel float, trowel, sprayer
Wear (on level surfaces)	For 1mm layer: 1,7 kg/m <sup>2</sup> Humidity insulation (2mm thick layers): 3kg/m <sup>2</sup> Water insulation (3mm thick layers): 4,5kg/m <sup>2</sup>
Surface load:	Rainfall: After 12 hours Pedestrian traffic: After 24 hours Tiling: After 24 hours Water under pressure: After 7 days
Resistance for cracks in flooring at -20°C:	≥0,75mm acc. to PN-EN 14891

## Comments:

The technical details and application guidelines have been envisaged for temperature 23°C (+/- 2°C) and relative humidity 50% (+/- 2%). In other conditions, the drying and usage time may change. The manufacturer is not liable for damages resulting from using the product

in an unskilled way or its misuse, so the guarantee covers only the quality of the supplied product. In case of any doubts, consult with the manufacturer.

## STORAGE

Store in original undamaged, tightly closed containers, in dry, cool places in temperature above +5°C. Shelf life: 12 months from the date of manufacture. Protect against frost.

## LOGISTICS DATA

package	contents	collective packaging	palette
5kg	1 x 1,25 kg (liquid) 1 x 3,75 kg (powder)	1 pcs	90 pcs
10kg	2 x 1,25 kg (liquid) 2 x 3,75 kg (powder)	1 pcs	55 pcs
24kg	2 x 3 kg (liquid) 2 x 9 kg (powder)	1 pcs	24 pcs

## DISTRIBUTION:

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