



## **AQUAPANEL® SkyLite Joint Filler & Skim Coating**

Cement-bound filling material  
for joint filling and skim coating by hand and machine

## Description

AQUAPANEL® SkyLite Joint Filler & Skim Coating is a cement-bound filling material for joint filling and full-surface skim coating to a thickness of 4 mm on AQUAPANEL® Cement Board SkyLite (ceiling) for example before the application of a decorative plaster or paint finish. For interior and exterior use.

## Mixing

Stir 15 kg AQUAPANEL® SkyLite Joint Filler & Skim Coating with approx. 8.4 l of cold, clean water (0.56 l water/kg AQUAPANEL® SkyLite Joint Filler & Skim Coating). Mix AQUAPANEL® SkyLite Joint Filler & Skim Coating well minimum 3 minutes and after a maturing time of 2 minutes stir again briefly. We recommend the use of a 600 rpm stirring machine. Use a clean mixing container and mixing tool.

## Processing/application

Tools: Float/ trowel/ joint knife.

Auxiliary tools for full-surface skim-coating: notched trowel with 8/8mm teeth.

Joint filling:

Fill joints between AQUAPANEL® Cement Board SkyLite with AQUAPANEL® SkyLite Joint Filler & Skim Coating with a minimum of 10 cm around joints. Embed AQUAPANEL® Tape (10cm) centered into the applied AQUAPANEL® SkyLite Joint Filler & Skim Coating. Cover the applied AQUAPANEL® Tape (10cm) with an additional thin layer of AQUAPANEL® SkyLite Joint Filler & Skim Coating. After minimum of 12 h of drying time prime the whole ceiling surface with AQUAPANEL® Board Primer (primer/water ratio 1:2).

Surface treatment:

Interior applications

Apply AQUAPANEL® SkyLite Joint Filler & Skim Coating to a thickness of 3 mm and spread evenly.

Exterior applications

Apply AQUAPANEL® SkyLite Joint Filler & Skim Coating to a thickness of 4 mm and spread evenly. If necessary, comb through with an 8/8mm notched trowel, embed AQUAPANEL® SkyLite Reinforcing Mesh over the whole area with approx. 10 cm joint overlaps and then skim over thinly.

To achieve a felted surface suitable for painting, skim over the first coat after hardening with a further 1 – 2 mm thick coat of AQUAPANEL® SkyLite Joint Filler & Skim Coating. After stiffening has begun, felt the surface with a felt or sponge disc and, if necessary, with a smoothing float or trowel. To achieve a higher finish level than Q3 apply AQUAPANEL® Q4 Finish on AQUAPANEL® SkyLite Joint Filler & Skim Coating. AQUAPANEL® Q4 Finish can only be used in interior areas.

Machine application of AQUAPANEL® SkyLite Joint Filler & Skim Coating:

Machine:

- Knauf PFT Ritmo 230V
- Water setting approx. 130l/h
- Potentiometer setting: 6 (match approx. 9 l fresh mortar/min.)
- Conveying distance 15m

Accessories:

- Ritmo Fine plaster set for finishing coats
- Compressor LK402
- Remote control switch for Ritmo
- Pump unit B4-2

## Technical data

AQUAPANEL® SkyLite Joint Filler & Skim Coating is a lightweight plastering mortar CS II for interior and exterior applications acc. to EN 998-1. The product has a CE marking.

Reaction to fire	A1
Water absorption	W1
Water vapour diffusion coefficient $\mu$ acc. to EN 1745	$\mu = 5$ (wet cup) $\mu = 20$ (dry cup)
Thermal conductivity $\lambda_{10, dry, mat}$ table value according to EN 1745	$\leq 0.16$ W/mK, P=50 % $\leq 0.17$ W/mK, P=90 %

## Material coverage

Full-surface application: Approx. 0.52 kg/mm/m<sup>2</sup>

Approx. 2.1 kg/m<sup>2</sup> (coat thickness 4 mm)

Approx. 1.6 kg/m<sup>2</sup> (coat thickness 3 mm)

Joint filling:

Approx. 0.3 kg/m<sup>2</sup>

Depending on consumption on the construction site additional material has to be taken into account.



## Working time

From stirring approx. 45 minutes till stiffening. Unclean mixing containers and mixing tools as well as high temperatures or wind shorten the working time. Do not use the material after the stiffening has begun.

### Full surface skim

Working time for the installation by hand:

approx. 16-20 min/m<sup>2</sup>

(incl. embedding of the AQUAPANEL® SkyLite Reinforcing Mesh)

approx. 11-15 min/m<sup>2</sup>

(without the AQUAPANEL® SkyLite Reinforcing Mesh)

Working time for the installation by machine:

approx. 11-12 min/m<sup>2</sup>

(incl. embedding of the AQUAPANEL® SkyLite Reinforcing Mesh)

approx. 6-7 min/m<sup>2</sup>

(without the AQUAPANEL® SkyLite Reinforcing Mesh)

### Joint filling

Working by hand: approx. 3-4 min/m<sup>2</sup>

## Working temperature/climate

Filler should only be applied to AQUAPANEL® Cement Board SkyLite once the board has adapted to the ambient climatic conditions. The material, ambient and base temperature must not fall below +5 °C.

## Method of delivery/storage

- 15 kg/bag
- Store bags in a dry place. Pour the contents of damaged bags into a container and use first.
- Unopened storage life approx. 12 months

## Note

Mix remaining dry material with water and put with the domestic waste. Do not empty the remaining dry material into a surface water drain or WC.

Item code: 475694

**AQUAPANEL®**

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AQUAPANEL® is a technologically advanced building system. Because it's a system, it involves clear step-by-step process from design idea to project completion. AQUAPANEL® cement board panels, accessories and services work in unison – you can be certain that your project will all come together as planned.

AQUAPANEL® is a registered trademark.

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