AQUAPANEL® SkyLite
Joint Filler & Skim Coating
Cement-bound filling material
for joint filling and skim coating by hand and machine
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.

**Description**

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.

<table>
<thead>
<tr>
<th>Reaction to fire</th>
<th>A1</th>
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<tr>
<td>Water absorption</td>
<td>W1</td>
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- Water vapour diffusion coefficient $\mu$ acc. to EN 1745
  - $\mu = 5$ (wet cup)
  - $\mu = 20$ (dry cup)

- Thermal conductivity $\lambda_{(dry,mat)}$ table value according to EN 1745
  - $\leq 0.16$ W/mK, $P=50\%$
  - $\leq 0.17$ W/mK, $P=90\%$

**Process application**

- **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.

**Technical data**

- **Tools:** Float/ trowel/ joint knife.
- **Accessories:**
  - Ritmo Fine plaster set for finishing coats
  - Compressor LK402
  - Remote control switch for Ritmo
  - Pump unit B4-2

**Material coverage**

- **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

- **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.

- **Material coverage**

  - **Full-surface application:** Approx. 0.52 kg/mm/m²
    - Approx. 2.1 kg/m² (coat thickness 4 mm)
    - Approx. 1.6 kg/m² (coat thickness 3 mm)

  - **Joint filling:**
    - Fill joints between AQUAPANEL® Cement Board SkyLite with 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).

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**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/m² (incl. embedding of the AQUAPANEL® SkyLite Reinforcing Mesh)
- approx. 11-15 min/m² (without the AQUAPANEL® SkyLite Reinforcing Mesh)

Working time for the installation by machine:
- approx. 11-12 min/m² (incl. embedding of the AQUAPANEL® SkyLite Reinforcing Mesh)
- approx. 6-7 min/m² (without the AQUAPANEL® SkyLite Reinforcing Mesh)

**Joint filling**

Working by hand: approx. 3-4 min/m²

**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