

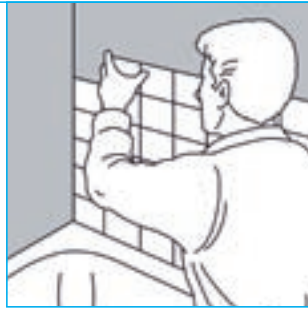
Surface finishing

Tiling

For ceramic tile coverings, (tile dimensions $\leq 300 \times 300$ mm), use a flexible adhesive when placing tiles. The tile adhesive must - as a minimum - meet the requirements of class C2 according to EN 12004.

Note:

Where single-layer panels are required in tiling applications, AQUAPANEL® Cement Board Indoor is the best tile backing board!



Painting

The majority of common painting systems can be used. These include water-based emulsions, matt enamels, polymer resin colours, and epoxy-based enamels.

Alkyd enamels are not compatible with the product.

For confirmation of usage, please refer to the paint manufacturers' instructions. A test coat is recommended.

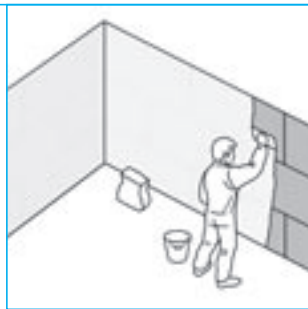
For surface finishes up to Q4, apply AQUAPANEL® Q4 Finish over the entire pre-prepared (filled and reinforced) surface. Refer to pages 12-13.

After drying, do any re-finishing with an electric orbital sander (grade 120 or finer).

Finishing

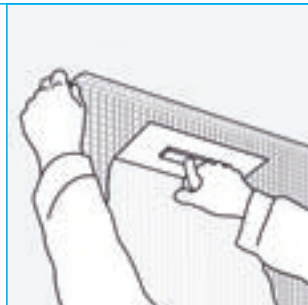
Skim coating

AQUAPANEL® Cement Board Indoor can be prepared for painting by coating it fully with AQUAPANEL® Joint Filler and Skim Coating – White (minimum coating depth 4 mm).



Reinforcing

Apply AQUAPANEL® Interior Reinforcing Mesh and embed it in the skim coat with a trowel.



Finishing

For a smooth finish, apply a thin layer of AQUAPANEL® Joint Filler and Skim Coating - White. When dry, the surface can be painted.



Surface finishing

Coating above the tiled section up to Q4 quality

For fine finishing to a Q4 surface quality, use AQUAPANEL® Q4 Finish ready-to-use skim coat.

Embedding joint ceiling strips

Using a 15 cm wide stainless steel finishing trowel, apply AQUAPANEL® Q4 Finish to the visible joints which have been bonded with AQUAPANEL® Joint Adhesive (PU). Embed the glass fibre joint cover strips (e.g. Knauf glass fibre joint cover strips) into the centre of the paste so that they overlap the joints. Apply a thin layer of AQUAPANEL® Q4 Finish to the cover strips. Remove excess material.



Note:

AQUAPANEL® Cement Board Indoor is already glued using AQUAPANEL® Joint Adhesive (PU).

Embed fastener heads

Fill all screw heads. If necessary, after drying, use a hand sander to remove irregularities from the screw holes.



Smoothing over joints and fasteners

Sand away all surface unevenness. Apply AQUAPANEL® Q4 Finish to a width of at least 20 cm (5 cm beyond the edge of the first layer). Embed fastener heads and sand down any uneven areas.



Full surface skim coating

Apply AQUAPANEL® Q4 Finish to completely cover the untiled areas using a 20 cm wide finishing trowel. Apply the filler solidly to fill in uneven areas in the joints and smooth the surface texture. If necessary, sand down with paper. If a Q4 surface quality is required, apply a further layer of AQUAPANEL® Q4 Finish. After approx. 24 hours drying, sand with abrasive paper (grade 120 or finer). For particularly smooth surfaces, sand down with, for example, an electric orbital sander.



Coating

Depending on the intended use and requirements, water emulsion paints, emulsion silicate paints or latex paints can be used.

Note:

The tiled section of the wall should be > 50% of the total height of the wall.

Not suitable for areas subject to water spray!

Quality levels of plastered surfaces

Q1-Q4

This describes filling of AQUAPANEL® Cement Board Indoor with AQUAPANEL® Joint Filler and Skim Coating - White and AQUAPANEL® Q4 Finish in accordance with the information sheet "Interior area plaster surfaces (smooth plaster)" from the Deutschen Stuckgewerbebund in the Central German Contractors Federation.

Q1 No requirements such as optical characteristics or flatness for the surface of the plaster. A closed plaster area is sufficient.

Q2 This surface corresponds to the standard quality and meets the usual requirements for wall and ceiling areas.

Suitable plaster surface for:

- decorative finish coat \geq 1 mm
- medium to large structured wall covering e.g. rough-textured wallpaper
- flat, filled coats/layers

Q3 Increased requirements for smoothness. In addition to the requirements for Q2, a second thin filler coat is necessary.

Suitable plaster surface for:

- decorative finish coat \leq 1 mm
- finely structured wall covering
- flat, finely structured coats/layers

Q4 The highest requirements for flatness of plaster surfaces. Minimum requirements as Q3, plus all-over reworking of the surface using a suitable filler or smooth finishing material.

Suitable plaster surface for:

- smooth or structured wall covering with gloss, e.g. metal, vinyl wallpaper
- natural finish or coats/layers up to medium gloss
- filling and smoothing techniques.

Quality levels of plastered surfaces with AQUAPANEL® Joint Filler & Skim Coating - White and AQUAPANEL® Q4 Finish

	Whole wall	Area above the tiles
Q1	AQUAPANEL® Interior Primer + full surface finishing with AQUAPANEL® Joint Filler & Skim Coating - White including AQUAPANEL® Interior Reinforcing Mesh.	
Q2	Q1 + thin surface finishing with AQUAPANEL® Joint Filler & Skim Coating - White	
Q3	Q2 + sanding	AQUAPANEL® Interior Primer + joints with glass fibre joint cover strips embedded + full surface finishing with AQUAPANEL® Q4 Finish + sanding.
Q4	Q2 + optional sanding + AQUAPANEL® Q4 Finish + sanding	Q3 + thin surface finishing with AQUAPANEL® Q4 Finish + sanding