



KRONE Primofill

complies with the Standard DIN EN 13963 Type 4B, joint filler for grouting gypsum boards without jointing tape

Product information

KRONE Primofill is a high-quality, polymer-modified, gypsum-based joint filler for grouting and smoothing gypsum boards in the quality levels Q1 to Q4.

Product properties

- The white joint filling and smoothing compound, which is easily mixed by hand or electric whisk, is characterised by a creamy-stiff texture and high stability.
- Polymer-modification provides for excellent adhesion also in thin layers.
- Creates a firm substrate for wallpapers and paints and dries out completely, irrespective of the thickness of layers.
- Easy to sand after drying-out.
- Breathable and humidity-regulating / ecologically harmless.

Areas of application e.g.

- to fill joints in gypsum boards with and without jointing tape Q1/Q2
- to implement surface qualities Q3/Q4, in particular for re-filling over the full surface area of gypsum cardboard surfaces according to quality level Q4.
- to close defects, cavities, holes and slits in walls and ceilings;
- to glue gypsum cardboard and composite gypsum cardboard boards (dry plaster) as well as gypsum elements and gypsum wall construction boards.

Substrate condition

- The substrate must be firm, clean, dry, free from frost, dust and separating agents.
- Use dry gypsum boards.

Processing

- Use clean containers and tools as well as clean water.
- Do not mix with other materials.
- Do not process when the temperature of the room, the mixing water and of the substrate is below +5°C.
- Pour KRONE Primofill into the mixing water until dry islands form.
- After approx. 2 minutes soaking time stir KRONE Primofill by hand or electric whisk until a lump-free mass is obtained.
- The filling compound thickens during the stirring process and reaches its workable texture.
- If the mixed filler is too stiff, adjust to the desired texture by adding water.
- **Do not add dry powder after mixing**, as this may cause the creation of lumps.
- Clean tools with water immediately after use.
- Treat with a suitable primer before coating / painting work.

Product data

Degree of whiteness	≥ 75
Sieving residue (SR)	
SR on 0.2 mm	≤ 0.2 % by weight
SR on 0.1 mm	≤ 5.0% by weight
Water-gypsum-value	0.64 ... 0.66

Preparation for filling joints / surfaces

1 kg KRONE Primofill / approx. 650 ml of water
e.g. content of 5kg-bag / approx. 3.2 l of water

Working time

Approx. 60 minutes

Consumption

(when prepared as indicated above)

Joint filling (Q1/Q2)

Per running meter of joint (semi-circular, flattened, longitudinal edge of 12.5mm gypsum cardboard) approx. 0.2kg of KRONE Primofill are required

Filling and levelling of surfaces (Q4)

Per m² of surface with 1mm thickness of layer, approx. 950g of KRONE Primofill are required.

Construction-relevant physical values

Bulk density	approx. 1000 kg/m ³
Surface hardness (Brinell)	≥ 15 N/mm ²
Flexural strength	≥ 4 N/mm ²
Compressive strength	≥ 8 N/mm ²
Thermal conductivity	approx. 0.34W/mK
Resistance against water diffusion μ	approx. 10

Safety information

The material itself does not pose any risks. Refer to material safety data sheet, if required.

Fire behaviour A1

Contents	Packaging	Pallet
5 kg	Bag (package with 4 bags)	1,000 kg
25 kg	Paper bag	1,000 kg

Storage

May be stored in its original packaging for 6 months min. after the date of production. Store dry on wooden grid/pallet. Use up damaged / open packages first.

■ Application

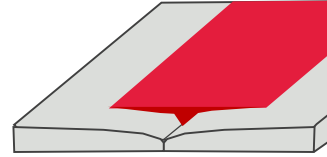
Q1

As joint filler without jointing tape

- Fill longitudinal and transverse joints and trowel up flush with surface.

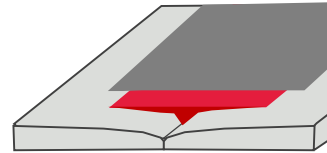
As joint filler with jointing tape

- Fill longitudinal and transverse joints and trowel up in such a manner that a filling compound spread of not less than 1mm thickness is created.
- Immediately afterwards apply jointing tape centrally and press in with spatula. Remove excess material with spatula, level jointing tape with filler and trowel up flush with surface.



Q2

- Push off filler residues with the spatula after setting.
- Re-fill seamlessly with the surface of the gypsum cardboard, avoid the formation of projections.
- Sand immediately after re-filled surface has dried, if required.

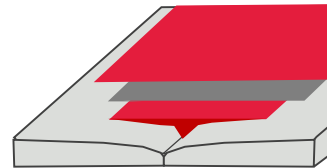


For the creation of surfaces fulfilling increased demands for drywall applications or special subsequent coatings, further filling cycles may be required, which are defined as Q3- or Q4-quality; also refer to *).

The substrates should be dry and free from dust.

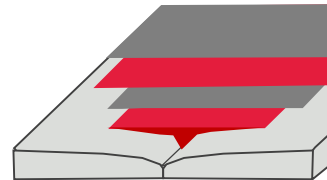
Q3

- Widely level joints with filler, trowel up carton surface sharply to close pores.



Q4

- Widely level joints with filler, level board surface in one work cycle over the entire surface with filler in a layer of 1 to 3mm thickness, sand if required.
- Tinting with dry pigments is possible, the quantity should not exceed 5% however (previous tests recommended).



General

- Observe processing instructions of the board manufacturer. When necessary, when required by the board manufacturer and/or in case of applications where increased crack-proofness is required (especially in case of subsequent filling of the entire surface) jointing tape is to be used.
- Perform filling work only, when no major changes in the length of the boards to be grouted/filled, caused by changes in humidity or temperature, are to be expected any longer.
- Remove dust from all trimmed board edges before filling (use wet brush, if required).
- Apply the ready mixed filling compound in a right angle to the joints and smoothen it.

■ Additional instructions for processing / follow-up work

- Please observe the following when performing wallpapering work: only use glues consisting of methyl cellulose and/or suitable synthetic resins.*)
- For repair work it is recommended to pre-treat the entire surface with a suitable priming agent in order to achieve a uniform absorption behaviour for subsequent paint coatings.

■ Guideline references

*) IGG- data sheet no. 2 „Verspachteln von Gipsplattenoberflächengüten“ [filling and levelling of gypsum board surface qualities]

**) Please observe data sheet no.16 „Technische Richtlinien für Tapezier- und Klebearbeiten“ [technical guidelines for wallpapering and gluing work] (Bundesfachausschuss Farbe- und Sachwertschutz) as well as data sheet no. 6 „Vorbehandlung von Trockenbauflächen aus Gipsplatten zur weitergehenden Oberflächenbeschichtung bzw. Oberflächenbekleidung“ [pre-treatment of drywall surfaces consisting of gypsum boards for further surface coating or surface lining] (Bundesverband der Gipsindustrie e.V.).

All information provided has been compiled in due diligence according to the current state of the art and is intended to serve as guideline. Due to the versatility of application and work methods, the information provided is not binding; it does not establish any contractual legal relationship and does not relieve processors from their own responsibility to check our products for suitability, inter alia according to VOB [Construction Contract Procedures]. Our general Terms and Conditions for Delivery and Payment apply. The above data sheet (07/2016) supersedes all previous editions.