



FEINE GIPS

For builders



Jointing material for
gypsum plasterboards

Perfect substrates for painting, wallpapering and gluing
work with

Krone Feine Gips

PRIMOFILL® ORIGINAL

High-quality gypsum based joint compound

Polymer-modified, **non-combustible A1**

Bedding, finishing and dual-purpose compound for
drywall systems

Also as tapeless jointing compound (type 4B)

Gypsum finishing compound C7 in accordance with EN 13279-1

On even, normal substrates in buildings

Also in joints between concrete components

Original Primofill® Quality for gypsum plasterboard joints

Extra-fine special white gypsum

Highly crack-resistant, high surface hardness

Just add clean water

Processing time **about 60 minutes**

Dries evenly, with low surface tension

Very little shrinkage from drying

Surfaces that are **easy to sand**

Indoor Air Comfort® GOLD from Eurofins

For interiors



Technical data sheet
Primofill® original
 Gypsum based joint compound



Construction product and intended use	
Description	Powdery, gypsum based joint compound for manual application on drywall systems as well as on all suitable even mineral substrates in interior areas for the production of smooth wall and ceiling surfaces for subsequent coatings and claddings.
Harmonised European Standard	EN 13963 EN 13279-1
Designation with abbreviation	Jointing material for gypsum plasterboards Bedding compound (EN 13963 – 1B) Finishing compound (EN 13963 – 2B) Jointing compound suitable for both bedding and finishing as dual-purpose compound for use with tape (EN 13963 – 3B) Tapeless jointing compound at suitable edge formation (EN 13963 – 4B) Finishing product für mineral substrates Gypsum finishing compound for final application (EN 13279-1 – C7)
Quality control	Initial type testing and factory production control
Approximate shelf life	9 months Store in a dry area; protect from moisture absorption. Close open containers firmly and use material in the near future
Special characteristics	Proven gypsum building material from domestic raw materials Construction product in accordance with the harmonised European Standard Pre-mixed at the factory, consistent quality, white in colour Supple, easy to work with, easy to sand Modified to enhance bonding and elasticity Resistant surface High stability in shape and dimensions Low shrinkage from drying
Intended use	Bedding and finishing of gypsum plasterboard joints Surface finishing on gypsum plasterboards and on suitable even mineral substrates Creation of undercoats for painting, wall-papering and gluing work Closure of joints in prefabricated concrete elements Shaping of surfaces Health-related construction and residential concepts
Range of applications	In interiors with normal humidity in new and existing residential and non-residential buildings. Do not use in wet rooms (areas with high/very high exposure to water)
Undercoats, drywall systems	Board products, e.g., gypsum boards, gypsum fibre boards, gypsum boards with fibrous reinforcement, gypsum board composite panels, prefabricated gypsum plasterboard panels Without jointing tape E.g., in joints of boards with half-rounded long edge (DE: HRK), with half-rounded tapered long edge (DE: HRAK) With jointing tape E.g., in joints of boards with tapered long edge (DE: AK), with square edge (DE: VK), with cut square edge (DE: SK), with bevelled cut edge (DE: SFK), as well as in constructions with mixed joints. Recommendation The board manufacturer's technical documents provide important instructions about which edge shapes require use of jointing tape. Jointing tape must always be used in mixed joints created when blanks are fitted.
Substrates, solid construction	On concrete surfaces On brickwork made of large-scale, aerated cement blocks or sand-lime bricks fixed with the thin-bed method On interior plastering made of gypsum/lime gypsum, lime/lime cement Do not use on setting surfaces for ceramic claddings, on undercoats made of glass, plastic, metal, wood

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	Technical properties ¹
Flexural strength according to EN 13279-1	≥ 1.0 N/mm ²
Compressive strength according to EN 13279-1	≥ 2.0 N/mm ²
Min. layer thickness	≥ 1 mm For finishing, there must be generally a closed layer, ≥ 1 mm thick , that can set and harden completely with a sufficient percentage of water.
Max. layer thickness	4 mm
Approximate consumption Joint filler	Depending on drywall system/board type/board thickness/edge shape/planking e.g. 0.2 kg/m ² on wall/plasterboard/12.5 mm/half-rounded tapered long edge/single-layer cladding
Approximate consumption Surface filler	0.95 kg/m ² /mm
Approximate yield Surface filler	5.3 m ² /5.0 kg/mm 26.3 m ² /25.0 kg/mm
Approximate processing time depending on influencing factors	1:00 h:min, from mixing to start of setting Temperature component/air When working with gypsum-based boards, the room temperature must be above +5 °C. For surface filling of solid substrates, the structural component and air temperatures according to the recommendations of EN 13914-2 should not be below +5 °C nor above +30 °C. Very low temperatures can interfere with the setting process, while very high temperatures can accelerate this process. Temperature mixing water The temperature of the mixing water must be at least +5 °C and not over +30 °C. Very cold water can interfere with the setting process, while very warm water can accelerate this process. Mixing For automatic mixing, use stirring unit with large-diameter basket at moderate speed. Baskets that are too small or speeds that are too high can have impair the consistency of the material and accelerate the setting process. Tools and containers must be cleaned before each new mixing process. Residues of material on tools and in containers can accelerate the setting process.

¹ Values determined under laboratory conditions are not comparable with values determined under conditions at construction sites. Calculate the material required for the project e.g. by applying a sample to the object.

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	Properties pursuant to EU Construction Products Regulation
Description	Essential characteristics and technical properties designed to meet the basic requirements for construction works. www.ce.kronefeinegips.de > Declaration of performance
Safety in case of fire	
Reaction to fire	A1 according to EN 13501-1
Hygiene, health, environment	
Principle active binding component	Calcium sulphate in its different hydration phases www.echa.europa.eu > CAS 7778-18-9
CLP Regulation	No labelling required pursuant to Regulation (EU) no.1272/2008 www.ce.kronefeinegips.de > Product safety data sheet
Emissions in interiors	Meets the requirements of Indoor Air Comfort® GOLD according to Eurofins, while also meeting the requirements of AgBB/ABG, BREEAM, DGNB, EMICODE EC1plus, French VOC Class A+, LEED and many similar requirements. www.ce.kronefeinegips.de > Eurofins Certificate
Content in volatile organic compounds (VOCs)	No requirement In the context of production of gypsum dry mortars, it is guaranteed that no VOCs are used in production that, either alone or in combination with other substances, are used to dissolve or dilute raw materials or products, or as cleaning agents to dissolve dirt, as dispersing agents, as a means of regulating viscosity or surface tension or as plasticiser or preservative.
Disposal	Comply with national regulations. Containers emptied of residues can be recycled. www.ce.kronefeinegips.de > Product safety data sheet
Insulation	
Airtightness/interior insulation	To establish airtightness in joints and connection areas of structures for interior insulation of exterior walls or of walls adjacent to unheated rooms, e.g. made of drywall with gypsum/composite boards.

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	Processing conditions and application procedure (1)
Technical code, solid construction	EN 13914-2
Supplementary provisions	Observe the processing instructions of the boards manufacturer.
Substrate	
Testing, drywall system	Before starting application, it is necessary to take into account whether the substrate is sufficiently stable, level, clean, free of dust and frost. Boards must be mounted firmly on a stable substructure. If its condition deviates from this, then measures must be taken to improve the condition of the substructure before starting application. The application may only be carried out when no further major fluctuations in climate conditions are to be expected, e.g., changes in temperature or increases in humidity. In particular, wet-construction methods (internal plaster, screed) can lead to an increase in humidity, which in turn can cause changes in length of the boards.
Testing, solid construction	Before starting application, it must be taken into account whether the substrate is sufficiently stable, level, dimensionally stable, rough, dry, free of dust and frost, and - especially in the case of concrete - free of residues of anti-caking agents and whether it exhibits normal, uniform absorbency. If its condition deviates from this, then measures must be taken to improve the condition of the substructure before starting application. Substrates can be tested using generally recognised procedures such as visual inspection, wiping, scratching and/or wetting tests. When the material is utilised on concrete surfaces, the moisture content of the concrete must be a maximum of 3% of the mass (measured at a depth of about 30 mm). If, after the wetting test has been carried out, there are still doubts as to whether this value can be complied with, the moisture content of the concrete can be determined by such means as the Darr method, or with a CM device (Calciumcarbid Method).
Preparatory treatment	Remove residues that reduce adhesion such as paste, wallpaper, mortar, coating agents, oil. Cover sensitive components/construction elements, if needed.
Pre-treatment, drywall system	Pre-treatment for application in drywall systems is not generally necessary. Recommendation Observe the procedural instructions of the boards manufacturer, e.g., on priming of open boards edges
Pre-treatment, solid construction	Substrates with strong and/or varying absorbency Use Krone Feine Gips Primer on substrates such as brick, gypsum/gypsum lime plaster Dense and/or non-absorbent or weakly absorbent, smooth substrates Use Krone Feine Gips bonding agent on substrates such as concrete, high-density types of stone, interior plaster made of lime/lime cement.
Touching up the undercoat	Close uneven substrates, such as areas damaged by deeper cracks or wider tears, using Krone Feine Gips bonding gypsum plaster and allow to dry before applying filler. The material to be applied and the type of application procedure depend on the cause and extent of the fault.
Application	
Approx. mixing water (as an example)	650 ml of clean water to 1.0 kg material 3.2 l of clean water to 5.0 kg material
Mixing procedure	Add water, sprinkle in material up to the water line and allow to soak. Do not mix with foreign material and/or additives. After soaking, briefly and intensively mix by hand. Material that has already started to set cannot be reused by adding more water and/or mixing again. Clean equipment and tools immediately after use.

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	Processing conditions and application procedure (2)
Joint filler, drywall system	Without jointing tape Apply the material firmly e.g. with smoothing knife or screw-grip spatula, as a rule, across the joint along both sides of the board. For joints with half-rounded long edges (DE: HRK), strip away the material in the longitudinal direction, remove excess material that has started to set and smooth over immediately. For joints with half-rounded tapered long edge (DE: HRAK), strip away material to an even level in the longitudinal direction. With jointing tape Apply the material firmly across the joint along both sides of the board and strip off one hand's breadth to a thickness of ≥ 1 mm. Centre jointing tape over the joint and compress lightly. Finally, apply filler over joints and tape as evenly as possible. A closed ≥ 1 mm thick layer of filler under and over the tape can set and harden completely if the percentage of water is sufficient, thus preventing inadequate performance. Recommendation The board manufacturer's technical documents provide important instructions for practical application procedure depending on the edge shape of the boards. Pre-treat open gypsum edges to bond plaster dust and reduce absorbency, e.g., with Krone Feine Gips Primer.
Joint filling, solid construction	Apply the material firmly across the joint. Strip off excess material when it begins to harden and smooth over. If necessary, prime the layer after complete drying (recommended) and apply a second layer over the primer when dried.
Surface quality, solid construction	Single-layer application by hand with appropriate, stainless tool, e.g., smoothing trowel or knife, finishing spatula. On pre-treated concrete surfaces (due to the mineral aggregates contained in the bonding agent) apply the material in a thickness of at least 2 mm, up to max. 4 mm. Moisten the layer that has been set but not yet hardened and smooth the surface. If needed, prime the layer for this after complete drying with Krone Feine Gips Primer and apply a second layer to the primer when it has dried completely.
Drying/hardening	Drying/hardening by setting
Approximate drying time	1 day/mm layer thickness depending on the residual moisture in the substrate as well as on the room/climate conditions and ventilation. Recommendation There must be enough time available for the complete drying/hardening of the layer. After plastering and/or filling work, dissipate the humidity by regular, brief ventilation (shock ventilation) in order to prevent condensation on the plaster/filler surface. Protect the surfaces filled from frost and intense heat until complete hardening.
Coatings, cladding	After complete drying/hardening suitable for coatings and cladding.
Special decorative surfaces	When applying enamels, glossy coatings and claddings, or lacquered wallpaper, it is necessary to prime, fill and sand the surface to be filled several times.

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www.kronefeinegips.de
 www.ce.kronefeinegips.de

www.din.de

Technical documentation ¹

Technical data sheets
 Product/safety data sheets
 Declarations of performance
 Environmental product declarations
 Certificates

EN 13914-2 Design, preparation and application of external rendering and internal plastering - Part 2: Internal plastering

¹ Anyone is free to apply the standards. Due to legal and administrative regulations, contracts or other legal principles, compliance with standards may be mandatory. Please keep in mind that a standard is generally just a single source of information for a technically correct course of action, and not the only one.

Item data and forms for supply

Table of contents	Type of packaging
5.0 kg	Paper bag
25.0 kg	Paper sack
Hazard designation	
GISBAU	

Type of secondary packaging	Packaging unit	Weight/pallet	Item	
4 pc./pack	50 packs	1,000 kg	EAN	4003230006961
	40 sacks	1,000 kg	EAN	4003230006978
Not classified as hazardous according to CLP Regulation (EC) no. 1272/2008				
Calcium sulphate-based plaster; www.wingisonline.de > CP1				

This is a translation of the technical data sheet valid in Germany. The contents are in compliance with the regulations in Germany. If used in other countries, other regulations may apply that stipulate other requirements for use and give preference to other application procedures. VG-ORTH GmbH & Co. KG does not accept any liability for use outside of Germany.

Our data sheets provide technical information, instructions and recommendations intended to help better fulfil the intended purpose of the product and to be able to deal with any possible obstacles when applying the product. The contents are based on our information and experience; they might not reflect the scope and current status of the recognised rules of building technology in Germany. **If used in other countries, other regulations may apply that stipulate other requirements for use and give preference to other application procedures.**

Before starting work, the user must bear in mind that he assumes sole liability for his actions, for understanding how to use the product, for being familiar with our contents in order to ensure the safety of himself and others and for being suitably familiar with relevant national and European Standards and with corresponding country-specific rules of the trade.

Our warranty applies to our products when in flawless condition. Information about the product, e.g. on yield, are based on reference test procedures; the results of these tests cannot be transferred identically in the event that circumstances are different, e.g., at construction sites.

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DIN EN ISO 9001
 DIN EN ISO 14001
 DIN EN ISO 50001



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