

Naturally Gypsum Plaster

Rooms you can feel at ease in, a developer's dream. Elegant surfaces, just like an architect would draw up. Materials that are easy to work with, the preferred choice of craftsmen. Gypsum is a natural material that provides everything you need to build or modernise internal rooms in a modern style.

Plastering with gypsum is an age-old technique: Physically and biologically tried and tested over the centuries, but still up to date through development and innovation. Gypsum has retained its unique advantages, like unbeatable cost efficiency and speed when it comes to plastering, its aesthetically appealing, bright and smooth surfaces and a secure hold on any typical construction substrate.



Naturally Mineral

Gypsum plaster makes the difference between bare masonry and cosy walls, between cold concrete and a homely atmosphere, or simply between a shell and a room you can feel at ease in. Gypsum is a naturally occurring mineral construction material free from solvents and plasticisers. It has been proven to have no impact on your health. The raw material is acquired in an environmentally friendly manner before being made into MultiGips plaster dry mortars with an extremely high level of purity and homogeneous quality. The product is a construction material with consistent processing and usage characteristics which is governed by standards.









From mineral to plaster

The main raw materials used in the production of gypsum plasters are mined natural gypsum or gypsum that is created using technical processes. After it is broken up and crushed, the mineral is fired at low temperatures up to approx. 150 °C to form gypsum that can set.

Cutting-edge high precision dosing systems are then used to create the dry mortar with different formulas for each application. On the construction site, gypsum plaster is ready to use as soon as it is mixed with water, either conventionally by hand, or as projection gypsum plaster, which is quicker, particularly cost-effective, and more common nowadays.

Naturally Ready for takeoff

The time saved applying the plaster means quicker construction site processes and lower costs for the customer without sacrificing quality. Gypsum plaster has exceptional yield, and material requirements are low. Using less material makes it easy to process with the help of a sophisticated application technique. This technique saves time as well: Gypsum plaster is applied from 5 to 25 mm (usually with an average thickness of 10 mm) in a single location, offering complete performance without lengthy downtime or waiting periods on the construction site.



For all plaster surfaces: MP 100 light

Projection dry mortar for rational processing over large areas • Universal application for interior walls and ceilings for new builds and modernisation work

 Premium lightweight plaster in accordance with IGB Industrial Group for Building Plaster in the national association of German producers of gypsum products
 Maximum workability with over 1,200 l/t wet mortar





Quicker with gypsum

As soon as the plastering work begins, all of the other craftsmen on the construction site have to take a break: electricians can't lay cables, and carpenters can't install windows. Gypsum plasters keep this downtime to a minimum

 because they can usually be processed in a single layer. Because of this, the plastering team only has to go into the room once,

IGB Industrial Group for Building Plaster in the national association of German producers of gypsum products

- because they dry quickly and let the other craftsmen get on with their construction work quickly,
- because they bond securely to many standard construction substrates without an additional pre-treatment stage.



Gypsum plasters are used to protect walls and ceilings, create surfaces and increase the value of rooms throughout interiors. That goes for apartments, ofwear resistant, whether under tiled flooring or

in domestic kitchens and bathrooms.

Gypsum plasters really hit their stride when the going gets tough, for example on walls in halls that see a lot of stress, impact and friction, wall heating systems or thick plaster when renovating old buildings.



MultiGips MP AquaProtect®

Hydrophobic projection gypsum plaster
• Ideal base for tiles in domestic kitchens and bathrooms thanks to optimised compressive strength in excess of 3.5 N/mm²



MultiGips MP Classic D6

Projection gypsum plaster with improved compressive strength in excess of 6 N/mm² • Surface hardness approx.

12 N/mm² • Ideal for high traffic areas in public buildings • Also optimal for use with wall heating systems





















Naturally Adaptable

It gets interesting when you use the plaster for renovation and refurbishment, when old walls are warped or substrates are difficult to evaluate. Gypsum plasters really come to the fore when used for modernisation work. Their special bonding additives are guaranteed to work with just a single layer on almost any plaster substrate, even with surprisingly thick plaster of up to 50 mm in places. Gypsum plaster make uneven surfaces and crooked walls vertical, level and smooth again. Gap-free transitions between old and new plaster are possible, making it easy to complete cost-effective repairs of minor damage.



For modernisation RotWeiss light 120F

Extremely fine manual gypsum plaster with bonding additives for critical plaster substrates • Also for projection in major renovation projects • Visually perfect matching with existing plaster surfaces • RotWeiss 60 or RotWeiss 100 can also be processed by hand and used for repairs and small areas

Naturally A strong hold

Quality gypsum plaster begins with a secure hold to walls and ceilings. This bond is a technical prerequisite for attractive surfaces and a comfortable feel. Gypsum plasters work so well because of the special bonding mechanism of gypsum crystals, which penetrate the pores of the substrate like small anchors and lock in place. This means that gypsum can be used on most standard plaster substrates without any additional measures, saving time. High-performance pre-treatment products are available for specific applications to provide a strong bond between gypsum plaster and difficult substrates like concrete.







For a secure hold: MultiGips contact bonding agent

Quality background pretreatment for gypsum plasters on concrete • For rolling and painting • Fully functional adhesive film, even under challenging construction site conditions • Emission tested • Use MultiGips primers or Tiefengrund



Naturally gypsum plaster

The best in. The best on.

MORE ECONOMICAL

Single layer plasters for walls and ceilings • no base coat beforehand, no smooth layer afterwards • smooth or felted surfaces ready immediately • extremely short drying times

QUICKER

Optimised projection plasters for large areas • lightweight and easy to work with thanks to lightweight aggregates • excellent yield and coverage • ensures construction stays on schedule

HEALTHIER

Plasters and primers tested and low in hazardous substances tested by the IBP Fraunhofer Institute for Building Physics a valuable addition from a legal perspective in construction projects with contractually agreed interior air quality

MORE FLEXIBLE

In new builds for medium plaster thicknesses of between 5 and 10 mm
• From almost nothing to 50 mm and over when used in specific locations in existing buildings • as thin coat plaster for large format blocks and concrete from 3 mm • as a visually seamless finishing product (smoother) down to 0.1 mm

BETTER PROTECTED

Perfectly suited for domestic kitchens and bathrooms ■ also for more susceptible wall areas with washbasins, tubs and showers ■ for added safety: MultiGips MP AquaProtect with specialised

hydrophobic formula





MP 100 light
Projection
gypsum plaster



MP 103 L KalkGips plus
Projection
gypsum plaster



MP AquaProtect®
Hydrophobic



MP Classic D6
Highly pressure
resistant

Build and live with gypsum

Pure mineral content • made of calcium, sulphate and crystalline bound water • free from volatile organic compounds • ideal for people and children with health issues • a pre-requisite for flat, smooth surfaces • capillary active and allows diffusion • pressure and nail resistant • extremely durable • protects the building and increases its value

... and with MultiGips

Discover and use MultiGips' high quality construction materials for your interiors:

www.multigips.com

Data and documents: Everything out in the open **www.ausschreiben.de**

The easy way to prepare tenders for interior plastering work



SAFER

Contains approx. 2.1 litres of crystalline bound water per m² in 10 mm thick plaster • classified as a class A1 non-combustible building material with no flammable components according to DIN 4102 • a particularly easy and economical way to protect concrete components against premature failure

MORE BEAUTIFUL

Level, natural white plaster surfaces • perfectly prepared surfaces for paint and wall paper • also as decorative plasters • elegant decoration in old and new buildings

MORE EFFICIENT

Suitable for wall heating systems thanks to the good thermal conductivity of the product • cheap: create a single layer thermal distribution layer • technically safe: Thermal distribution layer sets without any shrinkage

HARDER

MP Classic D6 with improved compressive strength (> 6 N/mm²) • for high traffic wall surfaces in nurseries, schools, public buildings • ideal for attaching tiles • optimal for wall heating systems

BETTER CONNECTED

MultiGips high quality background pre-treatment acc. to EN 13914-2

secure, long-lasting connection between plaster and dense and/
or non-absorbent substrates more safety on construction sites in
autumn and winter certified low level of hazardous substances!



RotWeiss light 120F Modernisation plaster



RotWeiss 100 Super adhesive



CasoFill® Super 50
Filler and smoother

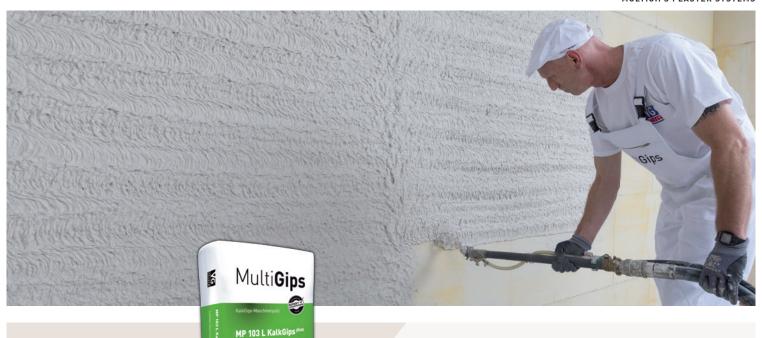


Betonkontakt Concrete bonding agent

Naturally **Healthy**

Emission tests are for construction materials what package inserts are for medication or lists of ingredients are for food. They are used to prove that these materials are biologically safe and do not emit any hazardous substances. MultiGips has had the safety of its products independently tested and evaluated in accordance with the recognised AgBB scheme* - not just the mineral plasters on the surface, but also the pre-treatment. This protects children, the elderly and people with allergies who are particularly sensitive to hazardous substances. But everyone else also benefits from the safety and improved sense of well-being in healthy interiors.





Low

emissions

MultiGips MP 103 L KalkGips plus

Gypsum plaster for living, play, sleeping and work areas • Like all MultiGips plasters, independently checked for health hazards • Tested for emissions of volatile organic compounds (VOC) and formaldehyde • Outcome: All of the tested parameters meet the requirements laid out in the test catalogue of the Federal Environment Agency. The results were far below the thresholds specified in the test catalogue. The product therefore has no negative impact on the quality of the air in the room.

Well-being with gypsum

30 kg

The main component of gypsum plasters is the mineral binder gypsum, also known as calcium sulphate (CaSO₄), at its various stages of hydration. How well gypsum and people go together becomes clear when you consider where the mineral crops up in everyday life. Calcium sulphate is approved for use as food additive E 516. It is approved for general use in food with no limit on the amount. In the field of alternative medicine, the mineral gypsum is one of the Schüßler salts, and goes by the name of Calcium sulfuricum. In the field of medicine and cosmetics, dermatologically friendly gypsum can be applied directly to the body.



Naturally **Elegant**

People say that beauty is subjective and is in the eye of the beholder. But that's not true for plastered surfaces, which have objective and verifiable quality levels. In addition to standard quality level, gypsum plasters make higher quality surfaces possible without an additional smooth layer thanks to their fine binders and how easy it is to work with. You can save material, time and money because craftsmen can create high quality, smooth, friendly and bright surfaces straight out of the plaster. Gypsum fillers go a step further and provide the highest quality level, in solid construction and drywall systems.













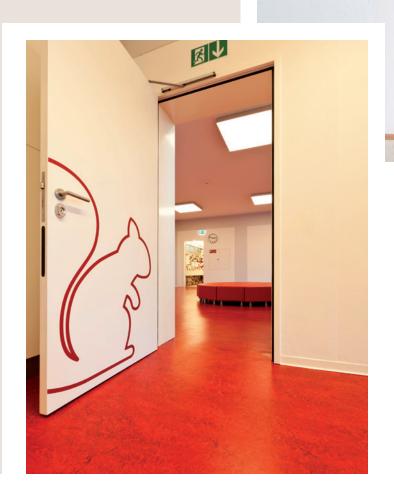


One for all: CasoFill® Super 50

A single product for filling in gaps and jointing level surfaces • In drywall systems: Combined jointing, filler and skim coat for gypsum boards and gypsum fibre boards • In solid construction: Filler and finishing compound for prefabricated concrete parts and joints between them, as well as existing and new plasters • Optimised for manual processing

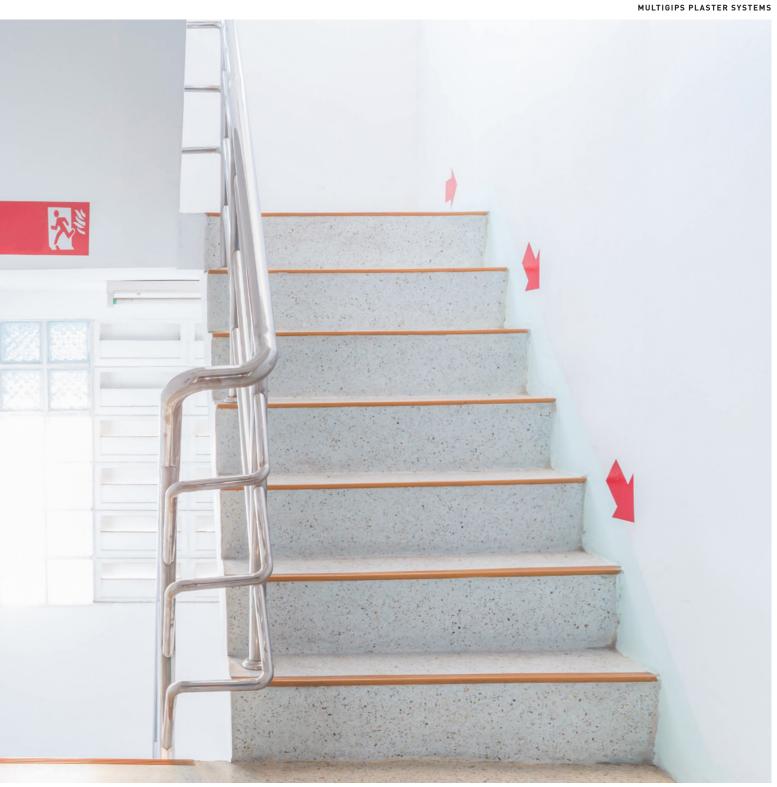
Naturally Safe

Fire protection isn't an added extra when you use gypsum plaster, it comes as standard: Not only is the tried and tested fire safety material gypsum non-combustible, the crystalline bound water in it actively prevents fire spreading. This means that gypsum plasters are a simple and economical way of providing fire resistant cladding for concrete components. Gypsum plasters are also used for the same reason to improve the fire resistance rating of steel components. Mineral gypsum is also used in normal masonry and residential construction for peace of mind and safety in case of a fire.



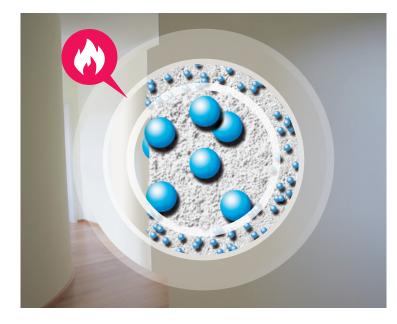






Gypsum with a built-in fire extinguisher

Chemically speaking, set gypsum is calcium sulphate dihydrate (CaSO $_4 \cdot 2H_2O$), around 20 per cent of which is made up of crystalline bound water. 10 mm thick gypsum plaster contains around 2 litres of water per square metre. The heat of a fire drives the crystalline bound water out, depriving the flames out thermal energy and significantly delaying the spread of the fire. That means more time for the fire brigade to put out the fire and rescue people.



Naturally Helpful

Gypsum construction materials are vital helpers when you need to work quickly but don't want to use any expensive specialised chemicals: As an elegant plaster on walls or ceilings, or sturdier work involved in repairing damage, blocking up holes or fixing profiles. But also for moulding and ornamental work, model construction and artistic sculpture. MultiGips specialists work together with architects and craftsmen to find the perfect technical solution which can be implemented in an economical manner and on time thanks to sophisticated logistics.



For aesthetic requirements: Gypsum binder alabaster

Fine grain gypsum binder with high whiteness • High level of dimensional stability for detailed designs • Optimised for moulding, turning and cast techniques • Restoration and redesign of internal décor • Creating decorative elements by hand in accordance with the regulations for historical monuments • Artistic one-off items or models

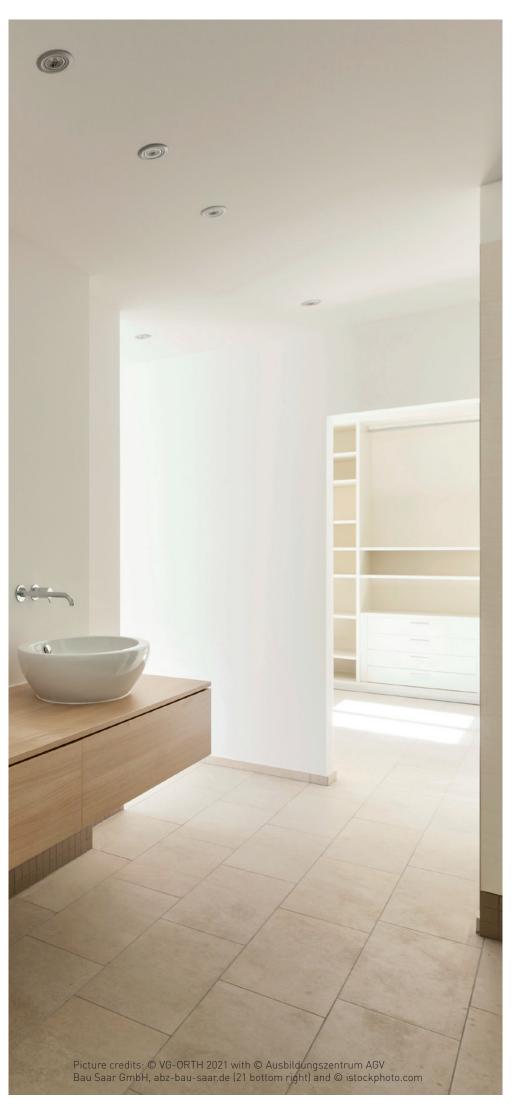


Naturally **ECO-Friendly**

Several generations of thought have shaped the corporate philosophy of SME gypsum specialists VG-ORTH. With its resource-efficient mining techniques, energy-saving production facilities and continuous renaturation of gypsum pieces, the company is providing a firm foundation for life and work going forward. Gypsum plasters remain sustainable primarily because they retain their functionality over the long-term: The guaranteed biological and technical qualities of gypsum and the pleasant living environment that it creates guarantee long life cycles for plaster surfaces, reducing the impact on the environment.











Published EPDs > **GYPSUM PLASTER LIME-GYPSUM PLASTER**

ibu-epd.com > EPD >

PROJECTION GYPSUM PLASTER





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Premixed gypsum building plaster	MP 100 LEICHT	MP 103 L KALKGIPS PLUS
Quality	Lightweight gypsum building plaster	Lightweight gypsum-lime building plaster
Special performance	Particularly high yield	Particularly high yield, increased lime content
Tasks	Interior wall and ceiling plaster	Interior wall and ceiling plaster
Indoor air quality	VOC emission tested	VOC emission tested
European Standard	EN 13279-1, B4/50/2	EN 13279-1, B6/50/2
Reaction to fire	Non-combustible A1	Non-combustible A1
Compressive strength	≥ 2.0 N/mm²	> 2.0 N/mm²
Scope	Interior plaster acc. to EN 13914-2	Interior plaster acc. to EN 13914-2
For domestic kitchens and bathrooms	Suitable	Suitable
Background	Building standard, even surface, dry, solid	Building standard, even surface, dry, solid
Plaster layers	Single layer	Single layer
Average plaster thickness wall/ceiling	10 mm	10 mm
Plaster thickness wall, punctual	min. 5 mm, max. 50 mm	min. 5 mm, max. 50 mm
Plaster thickness ceiling	min. 5 mm (punctual), max. 15 mm	min. 5 mm (punctual), max. 15 mm
Wet mortar	> 1,200 l/t	> 1,200 l/t
Yield	> 120 m²/t/10 mm	> 120 m²/t/10 mm
Application	Projection plaster	Projection plaster
Temperature air/component/material	Until hardening not below +5 °C	Until hardening not below +5 °C
Working time	approx. 3:45 h:min	approx. 3:45 h:min
Plaster surface	Smoothed, stripped	Smoothed, stripped
Sustainability	Environmental Product Declaration	Environmental Product Declaration
Material data		
Bag 30 kg (x 40)	Material No. 916	Material No. 919
Shelf life	Dry, approx. 6 months	Dry, approx. 6 months







MP CLASSIC	MP CLASSIC D6	MP AQUAPROTECT®
Gypsum building plaster	Gypsum plaster for plasterwork with enhanced surface hardness	Lightweight gypsum building plaster
Well proven and reliable	Increased surface hardness and compressive strength	Water repellent, increased compressive strength
Interior wall and ceiling plaster	Interior wall plaster (not for ceilings)	Interior wall and ceiling plaster
VOC emission tested	VOC emission tested	VOC emission tested
EN 13279-1, B1/50/2	EN 13279-1, B7/50/6	EN 13279-1, B4/50/2
Non-combustible A1	Non-combustible A1	Non-combustible A1
≥ 2.0 N/mm²	> 6.0 N/mm²	≥ 3.5 N/mm²
Interior plaster acc. to EN 13914-2	Interior plaster acc. to EN 13914-2	Interior plaster acc. to EN 13914-2
Suitable	Suitable	Especially suitable
Building standard, even surface, dry, solid	Building standard, even surface, dry, solid	Building standard, even surface, dry, solid
Single layer	Single layer	Single layer
10 mm	10 mm (only on walls)	10 mm (only on walls)
min. 5 mm, max. 50 mm	min. 8 mm, max. 50 mm	min. 5 mm, max. 50 mm
min. 5 mm (punctual), max. 15 mm	Not suitable	min. 5 mm (punctual), max. 15 mm
approx. 1.030 l/t	approx. 900 l/t	approx. 1.050 l/t
approx. 103 m²/t/10 mm	approx. 90 m²/t/10 mm	approx. 105 m²/t/10 mm
Projection plaster	Projection plaster	Projection plaster
Until hardening not below +5 °C	Until hardening not below +5 °C	Until hardening not below +5 °C
approx. 3:30 h:min	approx. 2:45 h:min	approx. 3:30 h:min
Smoothed, stripped	Smoothed, stripped	Smoothed, stripped
Environmental Product Declaration	Environmental Product Declaration	Environmental Product Declaration
Material No. 914	 Material No. 926	Material No. 918
Dry, approx. 6 months	Dry, approx. 6 months	Dry, approx. 6 months

PROJECTION AND MANUAL GYPSUM PLASTER





Premixed gypsum building plaster	GOLDWEISS SPEZIAL	ROTWEISS LEICHT 120F
Quality	Thin coat plaster	Lightweight gypsum building plaster
Special performance	Particularly high yield	Adhesive plaster, particularly high yield
Tasks	Interior wall and ceiling plaster	Interior wall and ceiling plaster
Indoor air quality	VOC emission tested	VOC emission tested
European Standard	EN 13279-1, C6/20/2	EN 13279-1, B4/20/2
Reaction to fire	Non-combustible A1	Non-combustible A1
Compressive strength	≥ 2.0 N/mm²	≥ 2.0 N/mm²
Scope	Interior plaster acc. to EN 13914-2	Interior plaster acc. to EN 13914-2
For domestic kitchens and bathrooms	Suitable	Suitable
Background	Special requirement for levelness	Building standard, even surface, dry, solid
Plaster layers	Thin layer	Single layer
Average plaster thickness wall/ceiling	-	10 mm
Plaster thickness wall, punctual	Full: min. 5 mm ¹⁾ , punctual: max. 25 mm	min. 5 mm, max. 50 mm
Plaster thickness ceiling	min. 5 mm (punctual), max. 15 mm	min. 5 mm (punctual), max. 15 mm
Wet mortar	> 1,200 L/t	> 1,200 L/t
Yield	> 240 m²/t/5 mm	> 3,8 m²/30 kg/10 mm > 120 m²/t/10 mm
Application	Projection plaster	Projection and manual plaster
Temperature air/component/material	Until hardening not below +5 °C	Until hardening not below +5 °C
Working time	approx. 2:45 h:min	approx. 2:00 h:min
Plaster surface	Smoothed, stripped	Smoothed, stripped
Sustainability	Environmental Product Declaration	Environmental Product Declaration
Material data		
Bag 30 kg (x 40)	Material No. 937	Material No. 643
Shelf life	Dry, approx. 6 months	Dry, approx. 6 months

FINISHING PRODUCT





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ROTWEISS 100	Finishing product	CASOFILL® SUPER 50
Lightweight gypsum building plaster	Quality	Joint and surface filler
Adhesive plaster, particularly high yield	Special performance	Polymer-based joint filler with high adhesive strength, smooth running, easy to sand
Interior wall and ceiling plaster	Standard	EN 13963, Type 3B/4B
VOC emission tested	Fire behavior	Non-combustible A1
EN 13279-1, B4/20/2	Application	Indoor
Non-combustible A1	Drywall	As joint filler ¹⁾ for gypsum boards acc. to
≥ 2.0 N/mm²		EN 520 with and without reinforcement strips.
Interior plaster acc. to EN 13914-2	_	As surface filler ¹⁾
Suitable	Solid construction	As joint filler for precast concrete joints and
Building standard, even surface, dry, solid	_	for closing slots/holes. As a surface filler on
Single layer	_	suitable mineral substrates
10 mm	Layer thickness	Up to 4 mm ²⁾
min. 5 mm, max. 50 mm	Yield	31 m²/25 kg/mm (full coverage)
min. 5 mm (punctual), max. 15 mm	Processing	By hand
> 1,200 l/t	Temperature air/component/material	Until hardening not below +10 °C
> 3,8 m²/30 kg/10 mm	Working time	ca. 0:50 h:min
> 120 m²/t/10 mm	Sustainability	Environmental Product Declaration
Manual plaster	Material data	
Until hardening not below +5 °C	Bag 5 kg (x 120)	Material No. 327
approx. 1:40 h:min	Bag 25 kg (x 40)	Material No. 328
Smoothed, stripped	Shelf life	Dry, approx. 9 months
Environmental Product Declaration		

Material No. 601

Dry, approx. 6 months

¹⁾ The processing instructions and recommendations of the plasterboard manufacturers must be observed.
2) As a general rule, a closed > 1 mm thick filler layer should be present for a successful tape test.

BACKGROUND PRE-TREATMENT





Pretreatment	BETONKONTAKT	GRUNDIERMITTEL
Quality	Pretreatment plaster bonding agent	Pretreatment plaster primer
Special performance	Mechanical key to plaster bases which are dense, smooth and/or low absorbent	Polymer-based high suction plaster primer, high concentrated
Dispersion	Ready to use, red pigmented	Dilutable up to max. 1:5, yellow pigmented
Indoor air quality	VOC emission tested	VOC emission tested
VOC content	< 3 g/l (EU limit: 30 g/l), low odor	< 3 g/l (EU limit: 30 g/l), low odor
Tasks	Plaster adhesion, dust binding	Reduce suction, dust binding
Product recommendation	acc. to EN 13914-2	acc. to EN 13914-2
Scope	Before applying gypsum plaster	Before applying gypsum plaster
Background	Dry, solid, frost-free	Dry, solid, frost-free
Concrete ¹⁾	Dense, smooth and/or low absorbent ²⁾	-
Masonry	Dense, glazed, fired bricks	Highly absorbent (aerated concrete, porous bricks)
Mixed masonry	-	Various sucking
Interior plaster	Lime / lime-cement plasters	Gypsum/gypsum lime plasters
Boards/insulation materials	EPS/XPS/PIR/PUR, also polystyrene shuttering blocks	Gypsum/gypsum fiberboards/gypsum blocks
Consumption	approx. 0.25 – 0.30 kg/m², on concrete	approx. 0.11 kg/m² (at 1:5), depending on plaster base
Yield	approx. 66 – 80 m²/20 kg, on concrete	approx. 141 m²/15 kg (1:5), depending on plaster base
Application	Rolling, painting (also sprayable)	Rolling, painting, spraying
Temperature air/component/material	Not below +5 °C until the end of drying	Not below +5 °C until the end of drying
Drying time	min. 24 h	min. 24 h
Material data		
Tub (x 48)	Material No. 744 (5 kg)	Material No. 747 (5 kg)
Tub (x 24)	Material No. 745 (20 kg)	Material No. 746 (15 kg)
Shelf life	Closed tub, approx. 6 months	Closed tub, approx. 6 months
Shelf conditions	Protect from heat and frost ³⁾	Protect from heat and frost ³⁾

¹⁾ Complete film formation unless a prolonged high alkaline environment is present.
2) Residual moisture should not be more than 3 % by mass from the surface to a depth of 3 cm when used for concrete.

³⁾ Becomes unusable due to frost.



AUFBRENNSPERRE

Pretreatment plaster primer
Polymer-based high suction plaster primer, concentrated
Dilutable up to max. 1:3, yellow pigmented
VOC emission tested
< 3 g/l (EU limit: 30 g/l), low odor
Reduce suction, dust binding
acc. to EN 13914-2
Before applying gypsum plaster
Dry, solid, frost-free
-
Highly absorbent (aerated concrete, porous bricks)
Various sucking
Gypsum/gypsum lime plasters
Gypsum/gypsum fiberboards/gypsum blocks
approx. 0.14 kg/m² (at 1:3), depending on plaster base
approx. 110 m²/15 kg (1:3), depending on plaster base
Rolling, painting, spraying
Not below +5 °C until the end of drying
min. 24 h
Material No. 730 (5 kg)
Material No. 731 (15 kg)
Closed tub, approx. 6 months
Protect from heat and frost ³⁾



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