

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.



Plaster and Façade Systems

P511c.de

Product Data Sheet

2019-01



Multi-Finish Universal

Gypsum joint filling compound and fine finishing plaster

Product description

Composition

Multi-Finish Universal is a synthetically enhanced joint filling compound and finishing plaster and a gypsum-based thin plaster.

Finishing product C7-20-2 acc. to EN 13279-1 and tapeless jointing compound type 4B acc. to EN 13963.

Storage

Store the bags on wooden pallets in a dry environment. Can be stored for approx. 9 months.

Seal damaged and opened bags airtight and use them first.

Quality

In compliance with EN 13963, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- For interiors
- Good filling capacity
- Skimming to layer thickness "zero" possible
- Universal application
- Hand application
- Mineral-based
- Diffusion permeable
- Fire protection effective

Field of application

Plaster for creation of smoothed or levelled surfaces for interior walls and ceilings. As a single-layer finishing plaster for all kinds of masonry, concrete as well as stable plasterable substrates. Also a jointing compound for drywall joints without tape, type 4B.

- From the cellar right up to the roof, suitable for all rooms with usual levels of room humidity including domestic kitchens and bathrooms (e.g. WCs in schools and bathrooms in hotels, hospitals, residential-care and nursing homes)
- As a substrate for finishing plasters or coatings
- For the provision of surfaces in quality levels
 - Q1 to Q3 levelled
 - Q1 to Q4 smoothed
- For filling gypsum boards to quality levels
 - Q1 to Q4

Application

Substrate and pretreatment

Clean the substrate of dust and loose parts and remove, ensure that the surface is smooth. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion.

Check the substrate for compliance with VOB part C, DIN 18350, chapter 3.1 and/or according to VOB part B, DIN 1961 paragraph 4 section 3.

Substrate	Pretreatment
Non-absorbent to weakly absorbent (concrete)	Prime with Betonkontakt or Spraykontakt
Precision block masonry	Prime with Aufbrennsperre suction block if too absorbent or if absorptivity varies greatly
Gypsum and gypsum fibre boards	None
Existing gypsum and gypsum lime plasters	Prime with Grundol

Preparation

Cover easily-soiled building components before commencement in accordance with Code of Practice "Abklebe- und Abdeckerarbeiten für Maler- und Stuckateurarbeiten - Masking and covering for painting and stucco work" (German only) issued by the Bundesverband Ausbau und Fassade.

Preparation of the substrate in accordance with the table "Substrate and pretreatment". Ensure that the drying time for the preliminary / primer coats is observed before continuing work.

Concrete substrates

Observe the Code of Practice "Gipsputze und gipshaltige Putze auf Beton - Gypsum plasters and gypsum-based plasters on concrete" (German only) issued by the German Bundesverband der Gipsindustrie e.V. The maximum residual moisture of the concrete surfaces must be $\leq 3\%$ by weight. If Spraykontakt is used, the maximum level of residual moisture may be $\leq 4\%$ by weight.

Concrete slabs must be free of surface moisture (e.g. rain, condensation). If the uppermost ceiling of a building is to be plastered, the thermal insulation and sealing must be applied beforehand.

Application time

Up to about 60 minutes depending on the substrate.

Mixing

Manual application

Sprinkle one bag of Multi-Finish Universal without further additives in clean water to just below the waterline (approx. 16.25 l), briefly allow the water and compound to bond and then mix with a slow running putty mixer to a lump-free consistence.

Application

Filling of prefabricated concrete unit joints

Fill the prefabricated concrete unit joints first, and if required, create a smooth and level transition to adjoining components in a second run. If a subsequent paint layer on the prefabricated concrete unit is intended, use of Joint Tape Kurt is recommended.

Filling of prefabricated concrete unit joints

Half-rounded tapered edges and half-rounded edges can be filled without joint tape.

Drying

Provide good ventilation to ensure quick drying of the plaster. The drying time at 2 mm plaster thickness is an average of 48 hours depending on the humidity, temperature and ventilation of the room. The drying time will be extended with unsuitable temperatures/air humidity. If mastic asphalt screed is applied after plastering, sufficient transverse ventilation is required to avoid thermal stresses.

Notes	Do not mix Multi-Finish Universal with other materials because properties can possibly change significantly.
	Do not use hardening material and do not try to fluidize it through adding of water or stirring to make it, only apparently, workable again.

Application temperature / climate

Do not apply with room and/or component temperatures under +5 °C. Protect freshly applied mortar and applied plaster from frost until fully dry.

Cleaning

Clean the containers and tools with water immediately after use.

Note

Remaining material can significantly shorten the working time for the following compound.

Coatings and linings

Always pretreat and prime surfaces filled with Multi-Finish Universal before application of further coatings and linings (wallpaper), following (in Germany) Code of Practice BVG No. 6 or BFS 12. Ensure that the primer is compatible with the coating / lining.

Use only adhesives made of methyl cellulose according to BFS Code of Practice no. 16 "Technische Richtlinien für Tapezier- und Klebearbeiten" released by the Bundesausschuss Farbe und Sachwertschutz in Frankfurt/Main (German only).

After wallpapering with paper or fibre glass wallpapers as well as after application of resin / cellulose plasters, quick drying must be ensured through adequate airing.

Note

Multi-Finish Universal is not suitable as a substrate for tiles.

Decorative coats

Suitable are diffusion permeable primers, finishing plasters, paints or other coatings.

The highly diffusion permeable Raumklima products are particularly suitable as final coats and/or paints. These products ensure that the positive properties of the moisture regulating gypsum compounds are retained.

e.g. Raumklima

- Primer
- Floated render
- Spray plaster
- Farbe E.L.F. paint

Technical data

Description	Standard	Unit	Value
Reaction to fire	EN 13963	Class	A1
Bending tensile strength	EN 13963	N/mm ²	≥ 2.0
Compressive strength	EN 13963	N/mm ²	≥ 4.5
pH value	–	–	8 – 9
Dry density	–	kg/m ³	approx. 880

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

Material requirement and efficiency

Application	Consumption approx.		Yield approx. l/100 kg
	kg/m ²	m ² /ton	
Full surface skim coat per mm thickness	0.9	1150.0	115.0
Jointing of half-rounded tapered edge gypsum board	0.25	–	–

The exact consumption can only be determined with a test application on the individual object.

Product range

Description	Package kg/bag	Packaging unit Bags/pallet	Material number	EAN
Multi-Finish Universal	25	42	00637472	4003982462282

Sustainability and environment

Short description	Value
Requirements of the German AgBB-scheme	Compliant
VOC content acc. to RL2004/42/EG	Not relevant
Solvent and softener free acc. to VdL-RL01	Not relevant
Environmental Product Declaration	EPD-BVG-KNG-20140073-IAG1-DE



Observe the safety data sheet!

Safety data sheets and the CE Marking can be found at pd.knauf.de



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