



Knauf Sandstein-Design

Application instructions

Preparation

Substrate	Pre-treatment
Gypsum plaster indoors	Apply Knauf Grundol when fully dry.
Gypsum boards indoors	Sealing coat with Knauf Aton Sperrgrund (sealer)
Light base coat such as LUP 222 and SUPER LUP outdoors	When fully dry, apply a full-surface mesh reinforcement with SM300 or SM700 Pro approx. 3 mm thick. Apply Isogrund about 1 week after application.
Base coat, e.g. SM700 Pro, SM300 outdoors	Apply Knauf Isogrund when fully dry, but at the earliest after 10 days.
Non-stable outdoor paint coatings	Remove completely
Concrete outdoors	Without pre-treatment. The substrate must be stable, dry, dust-free, free of loose components, oil, grease, concrete release agents and treatment agents, sinter layers, impurities and harmful efflorescence.

Primers must dry for at least 12 hours before the next coat is applied.

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*) issued by the German "Bundesverband Ausbau und Fassade". In the case of unsettled or cool weather conditions, it is advisable to take suitable protective measures such as rain protection on façades to be worked or freshly applied façades.

Protect the working surface against direct sunlight. All substrate surfaces must be stable, dry, even and free of grease and dust as well as free of any residue that may affect the adhesive properties. Check the stability of existing coatings (paint coatings and old plasters) and remove them completely if necessary.

Basecoats have to be fully dry and set before the Sandstein-Design Wandplatten (wall panels) are applied. Preliminary coatings / primers must dry for at least 12 hours before the next coat is applied.

1 Mixing the adhesive



Mix the 20 kg Sandstein-Design Kleber (adhesive) with approx. 4.8 l of clean water and mix thoroughly again after allowing to sit for 5 minutes. The application time is about 60 minutes. Application temperature range from min. +10°C to +30°C.

Only mix as much adhesive as you can apply within the application time.

2 Applying the adhesive



After mixing Sandstein-Design Kleber (adhesive), apply it and comb it across the full substrate surface using a 6 mm notched trowel for outdoors and a 4 mm notched trowel for indoors

3 Applying wall panels



Embed Sandstein-Design Wandplatte (wall panels) in the mortar bed within about 15-20 minutes and ensure that the joints are spaced uniformly.

4 Pressing on the wall panels



Push on the panel firmly with the Sandstein-Design Werkzeug (tool). No cavities may form. Very fine grains of sand may trickle off the surface when pressing on and smoothing the panel with the tool.

5 Filling the joints



Immediately after applying the Sandstein-Design Wandplatte (wall panel), smoothen the joints with a finger, brush or suitable tool. Seal the joints fully with Sandstein-Design Kleber (adhesive).

6 Brushing off the wall



Use a soft brush to brush off the glued Sandstein-Design Wandplatte (wall panels) after allowing at least one day setting time.

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Formation of corners and curves / Priming and sealing



7 Heating wall panels



Sandstein-Design Wandplatten (wall panels) can be adapted to almost any substrate shape.

The panel can be heated with a hot-air gun to make the material more elastic.

8 Applying wall panels at corners



First smoothen the heated Sandstein-Design Wandplatte (wall panel) well from one wall side using the Sandstein-Design Werkzeug (tool), then, starting from the corner area, smoothen the other side so that no creases and hollows arise.

9 Cutting the wall panels to size



Sandstein-Design Wandplatte (wall panels) can be easily cut to the required size or shape using a cutting knife.

Cutting to the desired shape and size requires the base fabric on the rear of the Sandstein-Design Wandplatte (wall panel) to be cut.

10 Levelling the surface



Adhesive residues, flaws or cracks due to deformation can be ground away during subsequent priming with a counterpiece of the Sandstein-Design Wandplatte (wall panel) or filled with the resultant grinding sand.

Allow the Sandstein-Design Grund (primer) to soak in for approx. 5 minutes.

11 Joints



We recommend the use of tightly jointed Sandstein-Design Wandplatten (wall panels) without visible joints for indoor applications only. Visible jointing is recommended for outdoors since it is the only way to optimally protect the joint areas from the ingress of moisture.

12 Priming and sealing



Dilute the Sandstein-Design Grund (primer) with water in a ratio of 1:2. Apply a generous coating from bottom to top using a soft lambskin roller. There should be no interruptions during application to the wall panel; interruptions are only permitted at panel joints. After a further day of setting time, apply 2 coats of undiluted Sandstein-Design Versiegelung (sealer) to the façade surface applying it from bottom to top. If three coats are applied, Sandstein-Design can be used in areas contacting the soil and also offers additional protection against graffiti.



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Knauf Direct
Technical Advisory Service:

▶ **Phone: +49 9001 31-2000 ***

▶ **Fax: +49 1805 31-4000 ****

▶ www.knauf.de

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Am Bahnhof 7, 97346 Iphofen, Germany

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