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Das Hessler Kalksystem.

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KALK & PUTZ

Hessler Kalkwerke GmbH · 69154 Wiesloch · Postfach 1345 · Tel. 062 22/92 75-0



HP 9 KH Naturkalk-Hanf-Grundputz

Composition: (full material declaration)

HP 9KH Natural Lime Hemp Base Plaster consists of natural hydraulic lime, white hydrated lime, limestone and quartz sand, limestone and clay powder, hemp and a small amount of methyl cellulose. **Grain size: 2 mm.**

HP 9KH is a cement-free, mineral dry mortar premix of mortar group **CS I according to DIN EN 998-1**. It does not contain any synthetic binders, is highly water vapour resistant (diffusion resistance coefficient $\mu = 6$) and resistant to fungal and mould growth.

Application range:

HP 9KH is used as **base coat** for indoors and outdoors (including damp rooms). For outdoor use, please note: HP 9KH is not hydrophobized. Due to the added **hemp**, HP 9KH is particularly suitable for touch-up plastering and patch plastering. To do so, bevel the edges of the existing plaster and thoroughly pre-wet.

Substrate:

Depending on their type and nature, substrates must be prepared accordingly. For example, in the case of highly absorbent substrates, use **HP 10 Vorspritzmörtel (Pre-Spray Mortar), 60-70% coverage**, alternatively **HP 14 Kalkhaftputz (Natural Lime Adhesive Plaster), toothed**, or - exclusively for natural stone masonry - **HP 9VM Kalk-Vorspritzmörtel (Natural Lime Pre-Spray Mortar), full coverage**. Concrete surfaces must be provided with a bonding layer of HP 14 applied horizontally with a toothed trowel. Before applying HP 9KH, the **prepared substrate must have dried** (approx. 1 day / mm layer thickness). **Surfaces to be tiled** must be plastered with **HP 1 Kalk-Zementputz (Lime-Cement Plaster) or HP 1L**. Use HP 10 for the substrate preparation.

We will be glad to help you in a **personal consultation** to find the right substrate preparation and the right coating system for you.

Application:

HP 9KH can be applied with all common plastering machines and be processed in all standard conveyor systems (please observe the operating instructions of the machine manufacturer). **When working by hand**, mix the contents of the bag with **approx. 8 litres of water** and stir without lumps until the desired consistency is obtained. Use e.g. a free-fall mixer or a suitable stirrer for this purpose. Allow to stand for approx. 10 minutes and stir again. Particularly highly absorbent substrates must be **pre-wetted**. The plaster thickness must be **approx. 15 mm indoors and approx. 20 mm outdoors**.

HP 9KH must be levelled after application, e.g. with a darby. **Remove any sintered skin** by means of a rabbit plaster plane.

Surfaces with increased layer thickness, concrete surfaces and Styrodur surfaces coated with HP 14 Kalk-Haftputz (Natural Lime Adhesive Plaster) must be pre-sprayed with HP 9KH and coated in several layers. Allow to set before finishing. We generally recommend a fabric reinforcement, especially for substrates with an increased risk of cracking. Observe a **drying time of approx. 1 day / mm layer thickness** before carrying out any further work.

Then apply a Hessler lime finishing plaster or a Hessler lime paint.

When using HP 9KH as **exterior plaster**, we recommend using reinforcement fabric with HP 14 Kalk-Haftputz (Natural Lime Adhesive Plaster). We recommend Hessler HP 90 Kalk-Feinputz natur 1,0 mm (Natural Lime Fine Plaster natural 1.0 mm) as finishing plaster. Then apply a coat of high-quality silicate paint.

Consumption rate: A 25 kg bag makes approx. 19 litres of wet mortar.
Spreading rate: approx. 0.9/1.3 m² per bag at 20/15 mm layer thickness (depending on nature of substrate)

Please note: DIN 18550 and DIN 18350 must be observed for assessing and preparing the plaster base. The plaster base must be absorbent, dry and free of dust, formwork oil, etc. Friable and loose parts must be removed. Surfaces that are unsuitable as a plaster base (e.g. wooden and iron parts, butt joints of building elements, etc.) must be provided with a plaster carrier. Plaster surfaces must be separated from wood by suitable measures. The air and/or object temperature must be **above 5 °C**. Pure lime mortars must be **protected from frost for at least four weeks**. Prevent the plaster from drying out too quickly. It may be necessary to **rewet** the plaster or keep it moist. Adequate **ventilation** must be ensured.
HP 9KH may only be used in its original state without any admixture.

Packaging unit: 25 kg bags, 42 bags / pallet
Weight: approx. 1,050 kg / pallet

Storage: Dry, shelf life at least 6 months in closed packaging

Quality monitoring: HP 9KH is continuously monitored in the in-house laboratory for compliance with its composition and properties.

Safety advice: Mortar reacts strongly alkaline with moisture, therefore protect skin and eyes. Protect eyes. In case of contact, rinse thoroughly with water. In case of eye contact, consult a doctor immediately.

For more information, please contact us by phone or in writing at:
info@hessler-kalkwerk.de, or at: +49 6222/9275-0. We will be glad to assist you!

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