

Geprüfte
Baustoffe aus
natürlichen und
nachwachsenden
Rohstoffen...

Hessler

KALK & PUTZ

Das Hessler Kalksystem.

Qualität seit 1881

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



HP 9SL Naturkalk-Dämmputz

Composition: (full material declaration)

HP 9SL Natural Lime Insulating Plaster consists of natural hydraulic lime, roman lime, expanded glass and a small amount of methyl cellulose. **Grain size: 2 mm.**

HP 9SL 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 $\mu = 7$) and resistant to fungal and mould growth. Thermal conductivity: elasticity modulus: 580 N/mm². HP 9SL is also available as **outdoor version** HP 9SL-A. HP 9SL-A also contains a small amount of white cement.

Application range:

HP 9SL is used as **insulating and dehumidifying plaster** for indoors and outdoors (including damp rooms). For outdoor use, please note: HP 9SL is not hydrophobized. In contrast to perlite, the mineral lightweight aggregate - expanded glass - used is **pressure-stable**, so that the specified material parameters (thermal conductivity, yield, elasticity modulus, etc.) are actually obtained after processing.

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)**, **semi 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 with a toothed trowel. Before applying HP 9SL, 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:

Machine processing: We recommend the UMP machine system from Deutsche Fördertechnik. The use of other machines is possible, e.g. G4 (equipment: screw pump D8-1,5 with Twister, 35er hose set). Rinse the mortar hose when taking breaks over 10 minutes.

Manual processing: Mix the contents of the bag with **approx. 7 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**.

HP 9SL must be processed within 1.5 hours. The plaster thickness must be **approx. 30 mm per operation**. The next layer can be applied after setting. Do not work on the plaster layers! The last layer must be levelled with a darby. Apply the last layer after a standing time of 1-3 days at approx. 1 cm thickness, smooth out with a finishing trowel and rub down with an almost dry sponge disc. When used as interior plaster, **HP 9SL** must stand for **approx. 3-4 weeks** before priming with Hessler HP 9500 Bioground (Bio Primer) and coating with mineral paint (e.g. HP 9000 Kalk-Kaseinfarbe (Lime-Casein Paint), HP 9100 Sumpfkalkfarbe (Pit Lime Paint) or - after **removing any sintered layer** - applying a mineral final coat (e.g. HP 90 Kalk-Feinputz (Natural Lime Fine Plaster), HP 910 Glätteputz (Natural Lime Smoothing Plaster), HP 900 Kalk-Glätte (Natural Lime Smoothing Plaster)). In certain cases (e.g. overthickness, old building, unfavourable weather conditions, etc.) a longer standing time is necessary. When using HP 9SL-A 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 12.5 kg bag makes approx. 30 litres of wet mortar. Application thickness: min. 10 mm / max. 30 mm (per layer) Spreading rate: approx. 10 litres of fresh mortar are required per m ² and cm of application 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. 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. Plaster surfaces must be separated from wood. HP 9SL may only be used in its original state without any admixture.
Packaging unit:	12.5 kg bags, 40 bags / pallet Weight: approx. 500 kg / pallet
Storage:	Dry, shelf life at least 6 months in closed packaging
Quality monitoring:	HP 9SL 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. 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!

This information is based on our experience and does not take into account any specific case. No claims for damages can therefore be derived from it. All information without guarantee. Errors, typing errors and changes reserved.