

Geprüfte  
Baustoffe aus  
natürlichen und  
nachwachsenden  
Rohstoffen...

**Hessler**

KALK & PUTZ

# Das Hessler Kalksystem.

Qualität seit 1881

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## HP 14 Naturkalk-Haftputz

### Composition: (full material declaration)

**HP 14 Natural Lime Adhesive Plaster consists of** natural hydraulic lime, white hydrated lime, limestone and quartz sand, limestone powder, methyl cellulose and adhesive agent (content below 1%).

**Grain size: 1 mm.**

HP 14 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.

### Application range:

HP 14 is used as **adhesive plaster** for indoors and outdoors (including damp rooms). For outdoor use, please note: HP 14 is not hydrophobized. It is versatile and can be used for thin-layer application, toothed trowel application or reinforcement fabric application.

### Substrate:

HP 14 is suitable for all solid mineral plaster. HP 14 is an adhesive plaster particularly suitable as undercoat plaster for all surfaces that are otherwise unsuitable for pure lime plaster, e.g. concrete surfaces (remove any formwork oil first), synthetic resin plaster, dispersion coatings, soft wood fibre boards. Substrates containing gypsum (gypsum plaster, gypsum boards, gypsum plasterboard) must be primed with Hessler HP 9500 Bioground (Bio Primer) or insulating primer (if bleeding of substances from the substrate, e.g. paste residues is suspected).

HP 14 is also suitable for **toothed trowel application** or **reinforcement fabric application**, e.g. for slab substrates.

### Application:

HP 14 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. 6 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**. Apply the mortar to the substrate with a trowel at a thickness of approx. **3-5 mm** and smooth it off with a finishing trowel. Use an at least 6 mm toothed trowel for **toothed trowel application**. Apply the plaster approx. 5 mm thick for **reinforcement fabric application**.

Observe a **drying time of approx. 1 day / mm layer thickness** before applying the finishing plaster (depending on e.g. temperature and air humidity).

**Consumption rate:** A 25 kg bag makes approx. 19 litres of wet mortar.  
**Application thickness:** min. 3 mm / max. 5 mm (per layer)  
**Spreading rate:** approx. 5 m<sup>2</sup> / bag at approx. 5 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. 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.

At transitions (wall-wall or wall-ceiling), ensure that the surfaces are separated.

HP 14 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 14 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!

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