

KEIM Lignosil®-HRP (Wood filler)



1. Product description

KEIM Lignosil-HRP is a two-component paste to fill cracks and deeper surface defects in non-dimensionally stable and limited dimensionally stable wooden building components mainly outdoors. KEIM Lignosil-HRP is free from synthetic additives and consists of a powder component and a liquid binder component.

KEIM Lignosil-HRP-Powder:

Mineral fillers, natural fibres.

KEIM Lignosil-HRP-Liquid:

Especially siccated linseed oil.

2. Field of application

Cracks and deeper defects in boards, beams and panellings (e.g. when restoring half-timbered houses) can be repaired with KEIM Lignosil-HRP to obtain with little effort a damage-free surface with an even texture. Not for statically relevant wood-repairs

3. Product properties

- Wood-like properties
- Good flank adhesion
- Mechanically processable
- Fast drying
- Diffusible
- Long open time
- Two-component

Material characteristics

Density: approx. 1.8 g/cm³
(ready-to-use mixture)

Colour shade

Brown

4. Application instructions

Substrate preparation

The substrate must be sound, dry (wood moisture content below 18% acc. to technical information No. 18 by BFS), clean, free of dust, loose parts and substances with separative properties such as oil. Defective wood parts are to be removed down to sound wood substrate. Surface losses inclusive the crack flanks have to be thoroughly mechanically

cleaned. The flanks of the crack are to be primed with KEIM Lignosil-HRP-Liquid 24 hours before crack filling.

Application

The liquid component needs to be shaken well before use. Maximal 0.85 kg of KEIM Lignosil-HRP-Liquid can be added to 4.15 kg KEIM Lignosil-HRP-Powder. Both components need to be stirred in the bucket until they reach a workable consistency.

The so prepared KEIM Lignosil wood filler is pressed thoroughly into the surface loss or crack, avoiding air inclusions, e.g. with a filler knife depending on how wide or deep the crack is.

The filling should be performed precisely up to the edge and then textured with a suitable tool, a paint brush soaked with HRP-Liquid or a board surface by using them as stamping device.

For particularly wide and deep cracks it is recommended to use a dry piece of wood of the same kind as reinforcement and to insert it in grain direction.

Prepared, mixed material remains workable for one day when stored in a closed container.

KEIM Lignosil-HRP has to be always coated with KEIM Lignosil system products according to factory specification.

Application conditions

Ambient and substrate temperature > +8 °C. Apply in dry weather only. Do not apply in strong sunlight, onto sun-heated substrates or in strong wind. Protect coated surfaces from too fast drying, direct sunlight, wind and rain also after application.

Drying time

Recoatable usually after approx. one week at 20 °C and 65% relative atmospheric humidity. Lower temperatures and/or higher relative humidity extend the drying.

Consumption

Approximately 1.8 kg per dm³.

This consumption value is a guide value. Exact values depend on substrate texture and application method and can only be determined by trial areas.

Cleaning of tools

With turpentine substitute



5. Packaging

KEIM Lignosil-HRP-Powder:
4.15 kg bucket

KEIM Lignosil-HRP-Liquid:
0.85 kg container

6. Storage

Shelf life of KEIM Lignosil-HRP-Powder and Lignosil-HRP-Liquid is approx. 12 months in sealed container under cool, frost-free conditions. Protect from heat and direct sun.

7. Disposal

KEIM Lignosil-HRP-Powder:
EC Waste Code No. 01 04 09

KEIM Lignosil-HRP-Liquid:
EC Waste Code No. 08 04 09

Any residues must be emptied out of containers before recycling.

Note: Wood treated with KEIM Lignosil falls under class A II according to the waste wood ordinance (laminated, coated, lacquered waste wood without halogen-organic compounds in the coating and without wood preservatives).

8. Safety instructions

GISBAU Product Code/GISCODE: not applicable

Please refer to the EC Safety Data Sheets

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.

