

# **KEIM** **Lignosil®-HRP**



**Professional closing of cracks  
and joints in wood**



## Crack filling with KEIM Lignosil-HRP

First the wood filler KEIM Lignosil-HRP has to be prepared by mixing the liquid and the powder component. Shake the liquid component (KEIM Lignosil-HRP-Liquid) well because drying additives in liquid components settle after a while. Those additives become well stirred-up by shaking and provide a good and fast drying of the prepared wood filler paste.

Note: The substrate must be sound, dry, clean, free of dust, loose parts and any other substances with separation properties such as oil. Working on surfaces with old coatings is possible after a test. It is recommended, however, to completely remove old coatings. Defective wood parts must be removed down to sound wood.



Preparation: The thoroughly cleaned cracks are primed with the liquid component 24 hours before crack filling.

The wood filler KEIM Lignosil-HRP can now be mixed on-site and depending on the size or depth of the cracks (or joints) by hand or by machine until the wood filler material reaches a workable consistency.





Afterwards the cracks or joints are filled with KEIM-Lignosil wood filler. For this, a suitable tool should be chosen depending on the size of the defect to guarantee the best possible workmanship.

Remove any excessive wood filler material after filling and smoothen the joints.





Cracks (and joints) of the adjacent wood surfaces are cleaned with the liquid component and a sponge in direction of the grain of the timber framing. When the wood filler is hardened the filler and the wood can be refinished.





## **Repair of larger defects with KEIM Lignosil-HRP**

Defective wood and adhesion-impairing materials have to be removed from the timber construction. Wedges or fitting pieces from the same type of wood are cut to fit into the voids. Attention needs to be paid that wedges and fitting pieces follow the same grain direction like the substrate.

Note: The removal of damaged wood parts must always be performed or supervised by a professional. A complete cut through statically relevant bars or the reduction of the beam cross-section can lead to a changed static and thus cause consequential damages.



The defects are primed with the liquid component 24 hours before refilling. Then the cut fitting piece or wedge is fit centrally into the void with the wood filler KEIM Lignosil-HRP.





After that, fill the defect and remove excessive material with a sponge. A dry brush is well suited to clear the wood structure.

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professional filling of cracks and joints in wood**







## Interview with a professional

### **Jörg Hinkelmann**

Master painter and restorer

### **Mr. Hinkelmann, KEIM is better known for mineral substrates and not for wood. Why do you trust in KEIM Lignosil-HRP?**

*I was personally involved in the development of KEIM Lignosil-HRP and can for a good reason say that there are products out that promise the same characteristics but none of those work like KEIM Lignosil-HRP.*

*Our family business is now in the 3rd generation and tradition is very important for us. For decades we have already been working with KEIM and we are absolutely convinced from their quality and service.*

### **What is the specific feature of KEIM Lignosil-HRP?**

*KEIM Lignosil-HRP is open to diffusion, dries very fast, the adhesion is excellent and the handling very easy and, because the material is processible for a long time. But what's really ideal for me as a restorer is the fact that I can prepare exactly the quantity I need.*

## **KEIM Lignosil®-HRP-Pulver** (HRP-Powder Component)



KEIM Lignosil-HRP-Powder together with KEIM Lignosil-HRP-Liquid is mixed to a workable wood filler. The flanks of the crack must be primed with KEIM Lignosil-HRP-Liquid 24 hours before crack filling

### **Colour shade**

Brownish

### **Application**

Trowel, filler knife

### **Consumption**

Mixing 0.85 kg liquid component with 4.15 kg of the powder component equals to 5 kg wood filler.

### **Packaging**

Powder component: 4.15 kg container

# KEIM Lignosil®-HRP-Flüssig (HRP-Liquid Component)



KEIM wood filler provides a permanent closing of wood cracks outside. After drying the KEIM wood filler has to be coated with products of the KEIM Lignosil System.

## **Colour shade**

Brownish

## **Application**

Trowel, filler knife

## **Consumption**

Mixing 0.85 kg liquid component with 4.15 kg of the powder component equals to 5 kg wood filler.

## **Packaging**

Liquid component: 0.85 kg container



## KEIM Lignosil®-System

The first paint for wood

Funded by the



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