

## PRODUCT DESCRIPTION

STEIN TEC® Bond Adhesive "Haftfix" is a hydraulically binding, polymer-modified, highly processed adhesive bonding mortar with application-specific mineral and organic additives. It is especially designed to increase the adhesive tensile strength of slabbed surfaces as well as of element surfaces with high load requirements, in general. "Haftfix" can also be used to improve the adhesive bond of bedding mortar on e.g. concrete foundations or concrete ceilings etc. (if applicable, consider water permeability!).

Using STEIN TEC® Bond Adhesive "Haftfix", the adhesive tensile strength of the composite zone between surface and bedding is increased multiplicatively. High adhesive tensile strength is decisive for the load capacity and the durability of bonded element surfaces. STEIN TEC® Bond Adhesive "Haftfix" ensures, that tensions as a

result of loads and thermal stress can be transferred evenly to the subsurface, which enables to largely avoid crack formation.

### Properties

- single-component
- mineral base
- polymer-modified
- very high adhesive tensile strength / adhesive power
- accelerated hardening
- early loadable
- frost-resistant
- easy to process

### Range of application

STEIN TEC® Bond Adhesive "Haftfix" is designed to increase the adhesive tensile strength between slabs or paving blocks and bedding mortar resp. between bed-

ding mortar and basis, especially in case of high loading requirements on the element surface.

If concrete blocks, slabs and, in general, elements with smooth and even (e.g. sawn) underneaths are used, STEIN TEC® Bond Adhesive Haftfix should be applied additionally.

### Delivery form

Bag ware 25 kg  
(1 euro-pallet = 40 bags)

### Storage

In closed bags storable for 6 months in dry cool rooms.

## PROCESSING

### Preparation of the subsoil

Paving blocks, slabs and contact surfaces to be treated with Haftfix must be clean, i.e. free from dust, grease, oil, adhesions and impurities (e.g. cutting or grinding slurry). If contact surfaces are pre-wet resp. cleaned with water, they shall be dull-wet at the most in the process of applying bond adhesive. A distinctive water film on the contact surfaces during the processing must be avoided.

### Mixing

Mix STEIN TEC® Bond Adhesive "Haftfix" with approx. 6 l clear cold water per 25 kg package by stirring device or in the positive mixer. Avoid lumping. Fill water into the mixer first, then intersperse Haftfix. Stir up intensively again after 3 minutes of "maturing time".

### Building-in

The works can be carried out at temperatures above 5° C, as far as night frost is not to be expected; also during slight rain.

At temperatures below 20° C longer setting and hardening time has to be considered.

The pot life of STEIN TEC® Bond Adhesive "Haftfix" is approx. 60 minutes at 20° C. After this time it must be disposed and mixed freshly again. Repeat quick mixing of the bond adhesive during its pot life.

Between element (slab or paving block) and bedding mortar:

Dip the clean underneath of the element into bond adhesive. If dipping is not possible, apply bond adhesive by a broad brush or a stiff scrubber onto the elements complete underneath. Afterwards set the element immediately into the bedding mortar "fresh-in-fresh" by the piling strike (see processing instructions for bedding mortar). Between bedding mortar and basis: Apply bond adhesive onto the complete basis by broad brush or stiff scrubber. Afterwards apply immediately bedding mortar "fresh-in-fresh" and continue

processing (compacting or setting of the elements according to processing instructions for bedding mortar).

The required layer thickness of bond adhesive is approx. 2 – 2,5 mm which equates requirements of approx. 2 kg per m<sup>2</sup>.

Mortar/mortar residues must not reach the sewerage system.

### Important information

If adhesive bond is used, levelling, adjusting, post-ramming, post-compacting of the surface elements is not permitted. If bond adhesive should get onto the surface of elements, these must be replaced. Complete removing of bond adhesive residues is hardly possible.

### Security advice

Product contains cement, pay attention to the material safety data sheet

For the processing of STEIN TEC® products, respective guidelines and recommendations, engineer standards, applicable technical bulletins, generally accepted codes of practice and technology and our technical bulletins and material safety data sheets are to be considered. Technical bulletins and material safety data sheets are available and can be sent on request. We guarantee perfect quality of our products. The information given in this bulletin is based on the present technical knowledge and experience. Due to the diversity of possible influences for the processing and the application of our products which are outside of our control, it does not exempt the processor from own testing and trials, and it represents general guidelines, only. A legally binding assurance of specific properties or of the suitability for a particular application cannot be derived from that. It is the processors own responsibility to always observe possible property rights and existing laws and regulations.

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