

## Bonding Emulsion



Ready-to-use emulsion for improving bonding, increasing elasticity and for improving the waterproofing properties of cement-bound mortar. It is also used as a bonding bridge for subsequent coatings. For outdoor and indoor use.

### Type of use:

The bonding emulsion is used as a liquid additive for cement-bound mortar, adhesives, filling compounds and concrete. It increases the bonding, elasticity and waterproofing effect and is therefore particularly suitable for improving cement-bound tile adhesive in situations of high thermal stress and when bonding large-format ceramic tiles and natural stone. The bonding emulsion can be used to very good effect as a primer for problematic surfaces, such as wooden floors, before subsequent coatings are applied.

### Material:

The bonding emulsion is a high-quality, solvent-free polymer emulsion. It is ready to use and improves both the waterproofing effect of the mortar and its bonding and adhesion properties between the subsurface and the mortar or adhesive. The bonding emulsion is suitable for both indoor and outdoor applications.

### Processing and application:

When using as an additive for adhesives, mortar or concrete, mix in a clean container using the specified mixing ratio until a workable consistency is obtained, adding a little extra if necessary.

When used as a primer or bonding bridge, the bonding emulsion should be applied to the previously cleaned surface using suitable tools, such as a paint roller or paint brush. When using the bonding emulsion as a bonding bridge, apply the subsequent mortar layer while the bonding emulsion is still slightly damp.

When treating highly absorbent surfaces and when using the emulsion to bind dust particles, the bonding emulsion must be allowed to dry thoroughly before the subsequent mortar layer is applied.

Do not carry out works at air, material and surface temperatures below +5 °C.

### Processing/working time:

The processing/working time at + 20 °C is approximately 15 to 30 minutes when the bonding emulsion is used as a bonding bridge or primer. When it is used as an additive for mortar, tile adhesive or screed, the processing time of the mortar applies.

### Quantity required:

When used as a bonding bridge or primer, approximately 0.2 l of bonding emulsion will be required per m<sup>2</sup>, depending on the absorbency of the surface. When used in cement-bound tile adhesives, the mixing ratio is approximately 1 l of bonding emulsion to 0.5 l of water and 5 kg of tile adhesive. When used as an additive in mortar, the bonding emulsion is added to the mixing water. Use only half of the quantity of mixing water specified on the mortar packaging, replacing the other half with the bonding emulsion. Together, the water and bonding emulsion (1:1 ratio) must amount to the specified water quantity.

### Subsurface:

The subsurface must be sound, load-bearing, and dust-free. All traces of dirt, oil, grease, loose particles and old coatings must be removed. Check old surfaces and roughen them if necessary before applying the bonding emulsion. In the case of absorbent subsurfaces such as aerated concrete or gypsum plasterboard, the primer must be applied undiluted across the entire surface. If the emulsion is used to bind dust particles, it must be allowed to dry thoroughly before applying further coatings. Drying takes approximately 4 hours, depending on the weather conditions. When the bonding emulsion is used as a bonding bridge on dense or

## Bonding Emulsion

smooth surfaces, such as wood, the subsequent layer of mortar, adhesive, filler or suchlike must be applied while the emulsion is still slightly damp.

**Storage:**

Store in frost-free conditions and in the original closed container.

**Packaging:**

1-l tub  
5-l pail

**Note:**

The technical details are valid at 20 °C and 65 % relative humidity.

Observe the safety instructions on the packaging.

The information provided is based on extensive tests and practical experience. It does not apply to every application situation. For this reason we recommend that you carry out a trial if necessary. Subject to technical alterations within the framework of further development. Our general terms and conditions apply.

Further information is available from:  
Service Hotline: 0049 (0) 180/3 000 462

**BAHAG AG**  
Postfach 100561  
D-68005 Mannheim

**BAUHAUS SCHWEIZ AG**  
Sägetstrasse 5  
CH-3123 Belp / Bern

**BAHAG AG**  
Postfach 4000  
A-4600 Wels

**BAUHAUS ZAGREB k.d.**  
Škorpi Kora 27  
HR-10000 Zagreb