



## Betonfix WW

ST8-0221

*Ultra-rapid setting cement powder  
used to infill water seepage even under pressure.*



### DESCRIPTION

**Betonfix WW** is an ultra-rapid setting cement powder. The product achieves excellent mechanical resistances, even under water. **Betonfix WW** is a ready-to-use, easy-application, metal-free single-component product. CE marked product according to 1504-2, intervention principles MC and IR.

### ADVANTAGES

- Quick drying: rapid curing allowing you to proceed with the following steps in a short time.
- Versatile: can be applied in order to stop recurrent water leaks or exudations.




### USES

**Betonfix WW** It is used to buffer water leaks, even under pressure, in order to apply waterproofing treatments. In the case of recurrent leaks, thoroughly clean and widen the cracks to fill, mix the product and wait for the setting to start (about 2 minutes, depending on the temperature), then press it into hole, keeping the pressure until completely cured. In the case of widespread exudations, apply the product in powder, massaging directly to the affected area, from top to bottom.

### WORKS

- Waterproofing from inside of structures subject to negative hydraulic thrusts ([SA11](#))

### APPLICATION

	Manual application		Rapid curing time: 2 mins
			Mixing water: 1,75 lt/ 5 Kg 8,75 lt/ 25 Kg

Carefully clean and mechanically widen the cracks to be treated, eliminating grease, inconsistent parts, and any material that could damage the good anchoring of the product.

Mix **Betonfix WW** at a time with clean water, wait for the setting to start (about 2 minutes, depending on the temperature), press it into hole, keeping the pressure until fully cured.

In the case of widespread water exudations, apply the product to powder, massaging directly to the affected area, repeating the operation until fully stopped.

The operation must be done from top to bottom.

### CONSUMPTION

1,6 lt/dmc

### PACKAGING

5 Kg plastic pail  
25 Kg plastic pail

### STORAGE

Protect from humidity. Store the product in a dry, sheltered place. Stored in these conditions and in unopened containers, the product remains stable for 12 months.

Characteristics	Typical Value
Aspect	Powder
Colour	Grey
Apparent specific weight UNI 9446	0,9 ± 0,1 g/cm <sup>3</sup>
Hazard classification 1999/45/CE e 67/548/CEE	Irritant

Max dimension of aggregates EN 1015-1	100 $\mu$
Min temperature of application	+2 °C
pH of the mixture	12 $\pm$ 0,5
Start setting EN 196-3	2 mins
Setting completed EN 196-3	5 mins

Cured mortar properties	Value
Compressive strenght after 28 days EN 12190	> 40 MPa
Flexural strenght after 28 dd EN 12190	> 8 MPa

Characteristics	Limits EN 1504-2 Covering C, principles MC and IR	Value
Adhesion to concrete EN 1542	Flexible systems Without trafficking >0,8 Mpa; with trafficking >1,5 Mpa.  Rigid systems Without trafficking >1 Mpa; with trafficking >2 MPa.	> 0,8 N/mm <sup>2</sup>
Permeability EN ISO 7783-2	Class I (permeable to vapour) Sd < 5 m  Class II 5 m $\leq$ Sd $\leq$ 50 m  Class III (no permeable to vapour) Sd > 50 m	Class I
Capillary absorption and permability to water EN 1062-3	< 0,1 Kg/m <sup>2</sup> ·h <sup>0,5</sup>	< 0,1 Kg/m <sup>2</sup> ·h <sup>0,5</sup>
Reaction to fire class	Value declared	A1

## WARNING

Product intended for professional use.

Different supplies of the same raw materials have slightly discordant colors since different lots of production may have a little shade variation. This does not affect in any way the technical performance of the products supplied.

Do not remix by adding water to the product when it has already started to set.

Do not add concrete, additives or other Betonfix mortars.

Before using, check bags have not been damaged, and do not use the product if there are any lumps.

Use the entire content if the bag has been opened.

Do not use at temperatures of under +5 °C.

Take all necessary precautions to ensure correct curing of the casting.

Wet with water for the first 48 hours, or cover with plastic sheets or damp jute bags.

Do not use anti-evaporation agents in case other coatings are to be performed.

The Obligations of marking are not related to the intrinsic nature of a given product, but to the use to which a specific material is used: before making the order in Kimia, the buyer shall submit all the documentation available to the works supervision in order to determine the materials suitability (in terms of certifications and performance) in relation to the use for which they are intended.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety.

All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control.

The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

## TECHNICAL SPECIFICATIONS

### SK11 - Waterproofing from inside of structures subject to negative hydraulic thrust

(SK 11) Prepare the support cleaning and removing any detached parts, dust, graise, old paints, wax and differnt substances that can affect the adhesion of new materials on the original support.

Preliminary treatment of joints and fittings and infill of local or generalized water infiltrations with Betonfix WW mortar by Kimia S.p.A. or similar product

The ready-to-use, metal particles free mortar with high performances in terms of adhesion and mechanical resistances even in underwater conditions, characterized by a very fast setting time and useful to seal water leakages and fix in a fast way anchoring, will be prepared and applied scrupulously following the instructions on the technical data sheets provided by the manufacturer and must have the following characteristics:

- Start of setting EN 196-3: 2 minutes;
- End of setting EN 196-3: 5 minutes.

The product will be CE marked as a protective coating according to EN 1504-2, MC and IR intervention principles.

In case of waterproofing coating use Betonfix 300 (consumption of 3,5 kg/m<sup>2</sup>) mixed with the 35% in proportion by weigth of Kimitech ELASTOFIX, both produced by Kimia S.p.A. and reinforcing the entire application with Kimitech 350 mesh. As alternative use similar products ensuring same performances.