

# water•plug

## ultra-fast setting cementitious water-plugging mortar

- Ultra-fast set within 30"
- Watertight under high negative pressure
- Non-shrinking formula
- High mechanical strength
- Excellent adhesion on concrete



# WATER•PLUG

## ultra-fast setting cementitious water-plugging mortar

### DESCRIPTION

Ultra-fast setting, hydraulic cement-based mortar for sealing water leakages in concrete structures, even under pressure, as well as for ultra-fast anchorings.

Once mixed with water it forms a thixotropic paste that sets within seconds regardless the ambient conditions and which doesn't wash out in the presence of water under pressure for as long as it takes to set.

### APPLICATIONS

**WATER•PLUG** is suitable for:

- Sealing water leakages in concrete tanks and swimming pools.
- Sealing water leakages in basements, elevator shafts, sewers.
- Instant waterproofing rigid cracks on concrete surfaces.
- Ultra-fast anchoring.

### PROPERTIES / ADVANTAGES

- Ultra-fast setting and drying;
- Non-shrinking formula;
- Compatible with cement-based waterproofing products;
- Very high mechanical strength in compression and flexure;
- Water tight under water pressure;
- Excellent adhesion on concrete;
- Thixotropic;
- High resistance to alkalis.

### APPLICATION INSTRUCTIONS

- Deteriorated and loose concrete must be removed until the substrate is solid, strong and rough.
- Cracks, joints and cavities have to be widened and deepened in order to enhance adhesion of the product.
- Soak the substrate with water. Allow excess water to evaporate or remove it using compressed air.
- Add **WATER•PLUG** into 28-30% of clean and cold water (<20°C) and mix rapidly with a spatula or a trowel until a lump-free homogenous paste is formed.

- Because of the ultra-fast setting of the product you should only prepare quantities that can be applied within a period of a few seconds.
- Using very cold water can extend setting of the product.
- Apply the mix using a spatula or by hand (always wear protective gloves).
- When sealing leakages under pressure press the product into the leak for about a minute until it sets completely.
- Remove excess material by scraping it away using a spatula.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

### RECOMMENDATIONS

- Temperature during application should be between +5°C and +30°C.
- Do not mix the product with dirty or salty water.
- Cold water can delay product setting slightly. Do not use hot water for mixing as it will shorten setting time significantly and it will be impossible to apply it.
- Do not add cement, aggregates or other additives.
- Do not add water when the mixture begins to set.

TECHNICAL CHARACTERISTICS	
PRODUCT CHARACTERISTICS	
Appearance	cementitious powder
Colour	grey
Bulk density	1.20 ±0.05 kg/lit
Chloride content (EN 1015-17)	< 0,05%
APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)	
Mixing ratio	28-30% w/w (1.4-1.5kg of water / 5kg bag)
pH	> 11
Initial set time	30-45" (22°C)
Final set time	60" (22°C)
Application temperature	minimum: +5°C / maximum: +30°C
Consumption	about 16 kg/m <sup>2</sup> for a 1 cm thick layer
PERFORMANCE CHARACTERISTICS	
Compressive strength after 28 days (EN 12190)	≥ 30.0 N/mm <sup>2</sup>
Flexural strength after 28 days (EN 196-1)	≥ 6.5 N/mm <sup>2</sup>

**Note:** Measures were carried out in laboratory environment conditions. The different conditions on site (temperature, humidity, wind, substrate absorption) may affect the properties of the material.

#### SAFETY PRECAUTIONS

- The product contains cement which has an alkaline reaction with water and is classified as irritant.
- Always wear appropriate personal protective equipment for eyes and skin (protective clothing, gloves and goggles).
- If skin contact occurs, rinse well with plenty of clean water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Consult product's Safety Data Sheet for further instructions on safety handling.
- **PRODUCT FOR PROFESSIONAL USE.**

#### PACKAGING - STORAGE

Available in:

- 5kg plastic bags.

**Storage:** 6 months from production date, if stored in original, sealed container, protected from direct sunlight and moisture.

#### LEGAL NOTICE

The technical characteristics and recommendations for the use and application of the **FINOMIX** range of products are based on the knowledge and experience of the company. The above information shall be considered merely indicative and subject to confirmation after long-term practical application. For this reason, anyone who intends to use the product must ensure that it is suitable for the envisaged application. Since the specific site conditions during the applications are beyond the control of our company, the user alone is fully responsible for any consequences deriving from the use of the product. **FINOBETON S.A. (FINOMIX)** has the right to modify the properties of its products without prior notice. This release voids any previous publications issued for this technical specifications sheet.

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