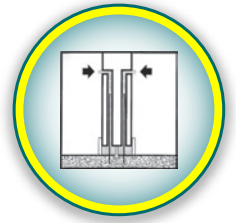




GROUTEX[®]

FILL-IN



Thixotropic-consistency tightening mortar

DESCRIPTION

- Cement-, sand- and quartz-based filling mortar,
- Non-shrinking,
- May be used wherever formwork cannot or must not be used,
- Consistency suitable for manual or mechanical use,
- Resistant to freeze and thaw cycles,
- Watertight and impervious to oils,
- Free of chlorides, aluminous cement and corrosive substances,
- Contains highly effective polymers not susceptible to saponification,
- High mechanical strength, comparable to that of prefabricated reinforced concrete elements.

FIELDS OF APPLICATION

- Tightening of vertical and/or horizontal joints without any movement between prefabricated reinforced concrete elements, e.g. prefabricated staircases, concrete bases.
- Local repairs, e.g. anchoring cladding, pilot holes, etc.



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PHYSICAL CHARACTERISTICS

- Appearance** : grey powder.
- Composition** : mixture of quartz sand, cement and admixtures.
- Presentation** : single-pack.
- Granulometry** : **EXTRA-FINE** (0 - 0,3 mm) - **FINE** (0 - 1 mm).
- Colour** : light grey - may be supplied in a darker colour.
- Mixing water** : **EXTRA-FINE** + 4,5 l / 25 kg. - **FINE** + 4 l / 25 kg.

Other types : **GROUTEX FILL-IN** may be manufactured with 42,5 type cement, giving two main differences from the basic products :

1. lower setting rate.
2. slightly darker appearance.

	GROUTEX FILL-IN EXTRA-FINE	GROUTEX FILL-IN FINE
- with 16% water - at 20°C	Mechanical strengths (N/mm²)	
Compressive after 24 hours. after 28 days.	15 60	20 70
Flexural after 24 hours. after 28 days.	4 9	5 11
Spreading at flow table after 5'	15,5 cm	16 cm
Setting time : - initial - final	120' 180'	120' 18'
Yield per m ³	1900 kg	1950 kg
Bonding to rough concrete	> 2 N/mm ²	
Working time	30 min. at 20°C	

APPLICATION

■ Surface preparation

The concrete surface should be clean and free from free or loosely adhering particles. Rough concretes (which naturally offer greater adherence) and concretes with no formwork should be carefully dedusted and dampened regularly during work, without patches of water being left.



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■ Surface temperature

Do not work on frozen surfaces.

If there is any risk of frost by night, it is advisable to stop work. Equally, very high temperatures (25°C / 30°C) and/or sustained wind may “burn” the mortar and cause cracks. Protect by sprinkling frequently and/or keeping moist the freshly jointed or repaired areas.

■ Mortar preparation

Mix **GROUTEX FIII-IN** with clean water.

Generally, an electric mixer with a gimlet fitting will be suitable.

Small quantities may be prepared by hand. Stir the material for a long time to avoid non homogeneous consistency.

Pump mixers are required for higher yields.

Pour the mixing water on the powder and mix slowly (300-400 rpm maximum) until there are no more lumps. 2 to 3 minutes should be enough.

The quantity of water may vary with the ambient temperature. If it is very warm, it could be necessary to add slightly more water.

TOOLS



Trowel and plasterboard for manual working.



Pump-mixer and injection tube for mechanical application.

PROTECTION

Protect the **GROUTEX FIII-IN** against the harmful effects of heat and/or wind by moistening regularly for at least 24 hours.

Protection is also important in winter, to ensure that the grout sets thanks to the heat loss when the cement is moistened.

SAFETY

GROUTEX FIII-IN is a cement-based product.

Due to its alkaline nature, protect eyes and hands; direct contact can cause irritation.

After contact with the product, immediately wash out eyes with water and apply protective creams to skin.

Although this technical form is based on years of experiences and research we can take no responsibility for the obtained results because we can not evaluate the conditions where in you will apply the product and his components. So we strongly advice you to perform premature tests to evaluate the efficiency of the product for your application. UPDATE 10/2007

