



## RECONSTEC 700 F

Injection Grout

### DESCRIPTION:

**RECONSTEC 700 F** is a cement based, high performance, specially design grout for injection into cracks ranging from 1,5mm to 5 mm (1/16" to 1/4"). The grout is to be used in the stabilization and rehabilitation of cracked masonry and concrete. It could be used in the restoration of stone for dutchman technique. Non-shrink and very good bond to the substrates. Contains no synthetic polymers.

### ADVANTAGES:

- Gravity-feed or pressure-injection;
- Deep penetrating and tenacious bonding of cracks;
- Very good adhesion to dry or wet substrates;
- Not a vapour barrier, completely breathable;
- No shrinkage;
- No sedimentation;
- Easy-to-use;
- Rapid set;
- Pigmented versions available.

TECHNICAL DATA	
<b>Application Time</b>	Approximately 10 minutes after mixing. Application time is dependent on temperature-it is faster in heat, slower in cool
<b>Compressive Strength (ASTM C-109)</b>	28 day : 50 MPa ( 7300 psi);
Tensile bending strength (ASTM C- 882)	10 MPa (1500 psi)
<b>Viscosity</b>	600-1000 cps
<b>Mixing Ratio</b>	The mixing ratio is approximately 4 parts powder to 1 part water by volume
<b>Specific Gravity</b>	2,1
<b>Packaging</b>	Plastic pail contains 20 kg (44 lb)
<b>Yield</b>	Approximately 9,5 litre ( 0,34 pi <sup>3</sup> )
<b>Shelf Life</b>	1 year in original, unopened pail

**SURFACE PREPARATION:**

Remove all impurities, dirt, grease, other bond inhibiting materials from surface. Preparation work should be done using manual or pneumatic cutting techniques. Set appropriate injection ports. Seal the cracks and the injection ports with the appropriate RECONSTEC mortar. Moisten interior of the crack by flushing with water.

**MIXING:**

The mixing ratio is approximately 4 parts powder to 1 part water. Use clean container. Pour water into mixing container. The mixing may be done by hand or using a slow speed drill (300-450 rpm) with a mixing paddle. The grout should be the consistency of syrup. Do not over water. Do not over mix. Working time is approximately 10 minutes.

**APPLICATION & FINISHING:**

For injection use plastic cartridges. Inject grout to the lowest port and proceed upwards. The grout is injected into the series of injection ports along the length of crack. Injection continues at a given port until it flows out of the next one. The port is then sealed off and injection started at the next port and so on until the full length of the crack has been treated. Remove ports after curing and patch with the appropriate RECONSTEC mortar.

**CLEAN UP:**

Remove the mortar from tools and mixing equipment with water. Cured material can only be removed mechanically.

**CAUTION:**

Avoid eye-contact and prolonged contact with skin. May cause irritation to sensitive skin. In case of skin or eye contact, wash thoroughly with water. If eye contact, consult nearest doctor.

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**KEEP OUT OF REACH OF CHILDREN**

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**WARRANTY:**

Information given is correct to the best of our knowledge and the product is satisfactory for the purpose for which it is intended. However, no guaranty, express or implied is given because every possible variation in the methods of its use or conditions under which it is applied cannot be anticipated. Our liability under this guarantee shall be limited to replacement of our product found to be defective or at our option, to the refund of the purchase price of said product.

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