

RECONSTEC 700M - INJECTION GROUT

Injection grout.

FEATURES & BENEFITS

- › 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
- › Excellent fluidity
- › Non-shrink
- › No sedimentation
- › Easy to use
- › Rapid set
- › Non-corrosive
- › Pigmented versions available

CAUTION

Avoid contact with eyes and prolonged contact with skin. May cause irritation to sensitive skin. In case of skin or contact with eyes, wash thoroughly with water. Avoid breathing dust. In case of contact with eyes, consult a doctor. KEEP OUT OF REACH OF CHILDREN.

Reconstec 700M is a cement based, high performance, specially designed grout for injection into cracks ranging from 6 mm to 15 mm (1/4 to 9/16). The grout is to be used in the stabilization and rehabilitation of cracked masonry and concrete. Non-shrink with very good bonding properties. Contains no synthetic polymers.

SURFACE PREPARATION

The surface must be clean and solid. It can be dry or wet. Remove all impurities, dirt, grease, and other bond inhibiting materials from the 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.

MIXING

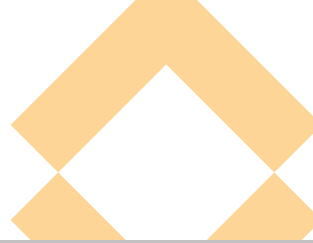
The mixing ratio is approximately 4 parts powder to 1 part water. Use a clean container. Pour water into mixing container. The mixing may be done by hand or using a slow speed drill (300 rpm-450 rpm) with a mixing paddle. The grout should be the consistency of syrup. Do not add too much water initially.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

APPLICATION & FINISHING

For injection work, use plastic cartridges. Inject grout to the lowest port and proceed upwards. The grout is injected into a series of injection ports along the length of the crack. Injection continues at a given port until it flows out of the next one. The port is then sealed off and injection is 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.



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GUARANTEE

All information provided is correct to the best of our knowledge and the product is satisfactory for the purposes for which it is intended. However, no guarantee, express or implied, is given because the mixing and application conditions are beyond our control. Our responsibility is limited specifically and only to the replacement of defective products or, if we so choose, to the REFUND OF THE COST OF THIS PRODUCT.

PACKAGING

One plastic pail contains 20 kg (44 lb.).

SHELF LIFE

1 year in original, unopened pail.

TECHNICAL DATA*

COMPRESSIVE STRENGTH

ASTM C 109

28 Days 50 MPa (7300 psi)

TENSILE BONDING STRENGTH

ASTM C 882

10 MPa (1500 psi)

VISCOSITY

600-1000 cps

MIXING RATIO

1 part of water for about 4 parts of product.

DENSITY

2100 kg / m³

YIELD

Approximately 9.5 liters (0.34 ft³)

***Application time:** Approximately 10 minutes after mixing. Application time is dependent on ambient and substrate temperature. Higher temperature will require a faster application than with cooler temperatures.

Note: The contents of this Technical Data Sheet are updated regularly. To ensure that you have the most recent version, please visit our website at the following address: www.king-masonry.com

This product is designed to meet the performance specifications outlined in this product Technical Data Sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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SIKA CANADA INC.

Head Office

601 avenue Delmar
Pointe-Claire, QC H9R 4A9

Other Locations

Boisbriand (Quebec)
Brantford; Cambridge; Sudbury; Toronto (Ontario)

Edmonton (Alberta)
Surrey (British Columbia)