

RECONSTEC 100 - GRANITE

Granite restoration mortar.

FEATURES & BENEFITS

- › The same coefficient of thermal expansion as granite
- › Uses Granite aggregate
- › Very good adhesion to substrates
- › Not a vapor barrier, completely breathable
- › Good freeze-thaw resistance
- › Easy to use
- › Short curing time
- › Pigmented versions available

CAUTION

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

Reconstec 100 is a mortar specially designed for the restoration of granite. Non-shrink with a very good bond to granite. Easily applied to clean, sound substrates. May be feather edged. Contains no synthetic polymers.

SURFACE PREPARATION

Remove all impurities, dirt, grease, and other bond inhibiting materials from the surface. Preparation work should be done using manual or pneumatic cutting techniques. Dampen surface to be repaired with clean water.

MIXING

The mixing ratio is approximately 5 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 mortar should be the consistency of damp sand. Do not add too much water. Do not over mix. Working time is approximately 15 minutes.

APPLICATION & FINISHING

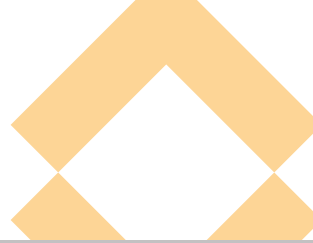
Mortar must be scrubbed into substrate, filling all pores and voids. Use a steel trowel. Force material against edge of repair, working toward the centre. For best results use Reconstec 100 without aggregate as a first layer. When the mortar is hard use stone cutting tools to achieve desired finish.

CURING

Curing is not necessary.

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.

FINISHING TIME

Approximately 2 hours after mixing. Finishing time will depend on temperature of substrate, humidity and type of finish desired.

PACKAGING

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

SHELF LIFE

1 year in original, unopened pail.

TECHNICAL DATA*

COMPRESSIVE STRENGTH

ASTM C 109

1 Days	40 MPa (5800 psi)
7 Days	80 MPa (11600 psi)
28 Days	90 MPa (13100 psi)

FLEXURAL STRENGTH

ASTM C 348	14.5 MPa (2103 psi)
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ELASTICITY MODULUS

ASTM C 469	27.5 GPa (4 000 000 psi)
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BOND STRENGTH

ASTM C 882 (modified)	13.3 MPa (1930 psi)
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LINEAR COEFF. OF THERMAL EXPANSION

7 to 8 x 10⁻⁶/°C

VOLUMETRIC CHANGE

ASTM C 157	0.005 to 0.010% (28 days)
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ABSORPTION

0.5 to 1.5%

SPECIFIC GRAVITY

2200 kg / m³

MIXING RATIO

1 part of water for about 5 parts of product.

***Application time:** Approximately 15 minutes after mixing. Application time is dependent on 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)