



CONSTEC

RECONSTEC 300
Limestone restoration mortar

DESCRIPTION :

RECONSTEC 300 is a mortar specially designed for the restoration of limestone. Non-shrink and very good bond to the stone. Easily applied to clean, sound substrates. May be feather edged. Contains no synthetic polymers.

ADVANTAGES :

- The same coefficient of thermal expansion as limestone;
- Very good adhesion to substrates;
- Not a vapor barrier, completely breathable;
- Good freeze / thaw resistance;
- Easy-to-use;
- No curing;
- Pigmented versions available.

Technical Data	
Application time:	Approximately 15 minutes after mixing. Application time is dependent on temperature-it is faster in heat, slower in cool.
Compressive strength: (ASTM C-109)	1 day 15 MPa (2180 Psi) 7 days 30 MPa (4360 Psi) 28 days 35 MPa (5100 Psi)
Flexural strength (ASTM C-348):	10,9 MPa (1581 psi)
Modulus of elasticity (ASTM C-469):	13,8 to 16,5 GPa (2 000 000 to 2 400 000 psi)
Bond strength (ASTM C-882 modif.):	11,5 MPa (1670 psi)
Linear coeff. of thermal expansion:	3,6 to 4,6 x 10 ⁻⁶ /°C
Length change (ASTM C-157):	0,005 to 0,010 % (28 days)
Porosity:	10 %
Water Absorption:	12 %
Mixing Ratio:	The mixing ratio is approximately 5 parts powder to 1 part water by volume.
Finishing Time:	Approximately 1 hour after mixing-depends on temperature, relative humidity and type of finish desired.
Specific Gravity:	1,8.
Packaging:	Plastic pail contains 20 kg (44 lb).
Yield:	Approximately 11 l (0.45 ft ³)
Shelf life:	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. Dampen surface to be repaired with clean water.

MIXING :

The mixing ratio is approximately 5 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 mortar should be the consistency of damp sand. Do not over 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 center. When the mortar is the consistency of dry sand screed to 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.

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.

KEEP OUT OF REACH OF CHILDREN

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 warranty, 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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