



RECONSTEC 200

Sandstone restoration mortar

DESCRIPTION :

RECONSTEC 200 is a mortar specially designed for the restoration of sandstone. 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 sandstone;
- Very good adhesion to substrates;
- Not a vapour 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)	<table style="width: 100%; border: none;"> <tr> <td style="width: 150px;">1 day</td> <td>12 MPa</td> <td>(1750 Psi)</td> </tr> <tr> <td>7 days</td> <td>25 MPa</td> <td>(3600 Psi)</td> </tr> <tr> <td>28 days</td> <td>30 MPa</td> <td>(4350 Psi)</td> </tr> </table>	1 day	12 MPa	(1750 Psi)	7 days	25 MPa	(3600 Psi)	28 days	30 MPa	(4350 Psi)
1 day	12 MPa	(1750 Psi)								
7 days	25 MPa	(3600 Psi)								
28 days	30 MPa	(4350 Psi)								
Flexural strength (ASTM C-348)	8,5 MPa (1233 psi)									
Modulus of elasticity (ASTM C-469)	11,7 to 12,8 GPa (1 700 000 to 1 850 000 psi)									
Bond strength (ASTM C-882 modif.)	11,2 MPa (1625 psi)									
Linear coeff. of thermal expansion	10,5 to 11,5 x 10 ⁻⁶ /°C									
Length change (ASTM C-157)	0,005 to 0,010 % (28 days)									
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	1,6									
Porosity	16 %									
Water Absorption	12 %									
Packaging	Plastic pail contains 20 kg (44 lb).									
Yield	Approximately 12 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.

CONSTEC Inc.

914, Berlier
Laval QC H7L 4K5
CANADA

Tel.: (450) 967-0792
Fax: (450) 967-0564

email: info@constecmortars.com
Web : www.constecmortars.com
