



**CONSTEC**

## **RECONSTEC 400**

Terra Cotta restoration mortar

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### **DESCRIPTION:**

**RECONSTEC 400** is a mortar specially designed for the restoration of Terra Cotta. 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 Terra Cotta;
- 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	
<b>Application Time:</b>	Approximately 15 minutes after mixing. Application time is dependent on temperature-it is faster in heat, slower in cool;
<b>Compressive Strength:</b> (ASTM C- 109)	1 day      20 MPa    (2900 Psi) 7 day      30 MPa    (4360 Psi) 28 day     40 MPa    (5800 Psi)
Porosity:	10 %
Water Absorption :	8 %
Mixing Ratio:	Approximately 5 parts powder to 1 part water by volume
<b>Finishing Time:</b>	Approximately 30 minutes after mixing-depends on temperature, relative humidity and type of finish desired
<b>Specific Gravity:</b>	1900 kg/m <sup>3</sup> .
<b>Packaging:</b>	Plastic pail contains 20 kg (44 lb).
Yield :	Approximately 10,5 l (0,37 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. 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.

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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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