

# HERITAGE TERRA COTTA BRICK REPAIR MORTAR (TB15)

## Product Data Sheet

### Description and Use

TB15 is a natural repair mortar specifically formulated for the patching and restoration of terra cotta and brick. TB15 can be featheredged, to repair small chips and spalls in terra cotta and brick. Designed to significantly decrease the time required to complete repairs, TB15 can be ready for sculpting in less than 60 minutes.

TB15 is a mineral-based, single component product that is mixed with water. It is formulated using only natural binders; no synthetic polymers or additives are used. TB15 has excellent freeze-thaw and salt resistance. It is vapor permeable. Skilled masons can easily apply TB15 no special certification is required.

Application and finishing of TB15 repair mortar is 8 to 12 times faster than for other commonly specified repair mortars. With TB15, most small repairs can be completed within 60 minutes, greatly reducing labor, mobilization and staging costs. This can produce considerable savings, especially where a repair is challenging or access to the repair site is difficult. With a commonly specified repair mortar, the same job could take 1 to 2 days to complete, due to lengthy curing procedures and low maximum lift requirements. TB15 is specially formulated to set quickly, and repair surfaces of terra cotta and brick.

### Advantages of TB15

Can be applied in 15 minutes on small repairs.	Produces excellent adhesion to substrate.
No minimum application depth requirement.	Does not create a vapor barrier.
Manufactured using natural binders.	Provides good freeze-thaw and salt resistance.

Contains no synthetic polymers or additives; contains no Portland cement.	Easily used by skilled masons; no manufacturer's certification required.
Mineral-based formulation and natural binders make it completely compatible with substrate.	Custom colors available.

### TB15 Package

1-gallon plastic pails                      9 lbs.  
5-gallon plastic pails                      44 lbs.  
Available in Red, Buff and Brown  
Custom colors available.

### TB15 Technical Data

Application Time:	Approximately 15 minutes after mixing - depending on temperature, relative humidity and type of finish specified.
Compressive Strength:	1 day 2,900 psi
	7 days 4,360 psi
	28 days 5,800 psi
Specific Gravity:	1.9
Mixing Ratio:	Approximately 5 parts powder to 1 part water by volume
Coverage:	5 gallons (44 lbs.) will cover 6 square feet at 1" thickness or 0.5 cubic feet

### Surface Preparation

Cut away all loose and deteriorated terra cotta or brick. Clean the area to be repaired with clean water and a bristle brush to remove any loose particles. Neutralize any salt deposits (efflorescence) with distilled water. Sound off and chisel out delaminated terra cotta or brick.

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### **Mixing**

All repairs require a minimum two-coat application consisting of a skim coat and a build-out coat. Additional build-out coats may be applied to meet the required thickness.

**Skim coat:** For the initial skim coat, mix approximately 5 parts dry powder to approximately 1 part potable water. The prepared mixture should be the consistency of peanut butter. Temperature and humidity will affect the amount of water required. Mixing may be done by hand or using a low-speed drill (300 to 450 rpm) for 2 to 4 minutes. Do not over mix.

**Build-Out Coat:** The consistency of the mortar for the build-out coat should be similar to wet sand. Add pigments as necessary up to 1% of binder volume. For any additional build-out coats use slightly less water in the mix. Working time is approximately 15 minutes depending on temperature, humidity and wind conditions.

