

## **Blome 936** **Thin Set Latex Mortar**

### **PRODUCT DESCRIPTION**

Blome 936 is a single component; add water, latex fortified, thin set mortar. Blome 936 is designed for the installation of floor brick, quarry tile and ceramic wall tile. 936 exhibits excellent bond and shear strength, low water absorption, and good freeze/thaw and impact resistance. Blome 936 is uniquely formulated to exhibit the best possible working characteristics and physical properties. The material exhibits excellent bond strength to concrete, brick and tile and is well suited for applications requiring high physical properties. Blome 936 meets or exceeds ANSI A118.1, A118.4 and A118.11.

Blome 936 is also ideal for use as a concrete patching and repair mortar. 936 offers enhanced physical properties; good bond strength to concrete, and is excellent for filling bug holes or form voids in concrete, patching low spots or spalled concrete areas.

### **TYPICAL USES**

Blome 936 is suitable for installing all types of floor brick, quarry tile, ceramic tile, slate, marbles and granite. Typical applications include:

- Dairy brick flooring
- Quarry tile and ceramic tile floors
- Slate, marble and granite flooring and walls
- Glazed ceramic wall tile

### **HANDLING CHARACTERISTICS**

Blome 936 is supplied as a dry powder that is mixed with water at the time of use. 936 offers excellent trowelling and handling characteristics, with sufficient body and thixotropy to butter brick or tile in place and secure them from slipping or sliding while the mortar cures. 936 cures rapidly and provides an excellent bond to brick, tile and concrete substrates. This unique formulation produces excellent results while installing brick in horizontal or vertical areas.

### **TYPICAL PROPERTIES** **WET**

Components:	One (1) - Powder (add water to use)
Wet mortar density:	130 lbs./ft <sup>3</sup>
Mixed consistency:	Creamy mortar
Pot life:	50°F 90 minutes 77°F 60 minutes
Initial set:	50°F 10 - 12 hours 77°F 6 - 8 hours
Final cure	50°F 28 days 77°F 14 days minimum

## CURED

Density	120 lbs./ft <sup>3</sup>
Bond Strength to ceramic wall tile	350 psi
Bond Strength to ceramic mosaics	300 psi
Color	Gray
Compressive Strength	3,000 psi min. (28 day)
Tensile Strength	600 psi min. (28 day)
Flexural Strength	1,400 psi min. (28 day)

## PACKAGING & STORAGE

Blome 936 is supplied as a single component product, a dry powder that is mixed with water at the time of use. Blome 936 is packaged in 50 lb. bags. Shelf life for 936 is one (1) year if stored properly. Keep Blome 936 tightly sealed in original containers until ready for use. Store material in a cool, dry place, out of direct sunlight, and on pallets at temperatures between 50°F – 80°F. Protect bags of 936 Powder from water and weather while in storage and on job site.

## ESTIMATED COVERAGE

One 50 lb. bag of Blome 936 covers approximately 100 ft<sup>2</sup> at a nominal 3/32" - 1/8" thickness when used as a setting bed on concrete substrates. This is based on a nominal 3/32" to 1/8" bed joint thickness. This includes sufficient material for bed joint only. This is an estimated coverage rate and does not allow for waste, bed joint variation or other job site contingencies.

## BID SPECIFICATION GUIDE

Use Blome 936 Thin Set Latex Mortar as manufactured by Blome International, O'Fallon, MO.

## JOB SITE ENVIRONMENTAL CONDITIONS

Blome 936 must be applied while ambient temperatures are between 50°F and 90°F. Blome 936 components, brick, tile and substrate temperatures must also be maintained in this range. Installations of 936 should be protected from water and weather during installation and curing. All installations of Blome 936 should be protected from traffic and mechanical abuse until materials are allowed to cure and total installation is complete

## SURFACE PREPARATION

Concrete substrates to which Blome 936 will be applied must have a minimum 28 day cure or have a minimum compressive strength of 3,000 psi. Minimum tensile strength of concrete must be 300 psi when tested using a Schmidt Hammer. Concrete surfaces must be free of all laitance, oil, curing compounds, and any dust or other loose materials prior to installation of 936 bed joint.

Brick and tile to be installed with Blome 936 must be clean, dry and oil free. If brick or tile has been frozen, they must be thawed completely and allowed to dry prior to installation with Blome 936.

## **SAFETY PRECAUTIONS**

Blome 936 Powder, and mixes of it with water present various health hazards if handled improperly. 936 Powder contains silica dust and mixed material is an alkaline solution. Wear respirator suitable for silica dust, safety glasses with side shields, gloves and long sleeve shirts to prevent all contact with skin and eyes. After working with Blome 936, wash thoroughly before eating, drinking, smoking or other activities.

## **APPLICATION EQUIPMENT**

Blome 936 is best mixed with a KOL, pail type mixer or in a pail using a drill motor driven paddle blade. This mixing equipment must be clean, dry and free of any contaminants. When mixed, 936 is applied to substrate with a notched trowel or buttered onto brick or tile with a pointing or margin trowel.

## **MIXING AND APPLICATION**

Mix Blome 936 Powder with water to desired mortar consistency. Do not over wet or add excess water, as this will reduce cured physical properties. Mix using a clean, dry mechanical mixer or trowel for a minimum of 1-2 minutes, making sure there are no lumps or dry pockets of powder. The ratio of powder to water may be slightly adjusted, up or down, to achieve desired properties for specific uses. Do not over wet material or properties will be reduced.

When applied as a setting bed for thin set installations, spread mixed material to a nominal 1/8" thickness onto concrete substrate. Place brick or tile in wet setting bed in accordance with project specification. When laying brick, use a clean, dry pointing or margin trowel, butter brick or tile evenly on 4 or 5 sides. Slide buttered brick or tile into place, squeezing excess mortar from joints. Strike off excess mortar and remove. Joint thickness should be 1/8" to 1/4".

## **CLEANUP**

All tools, mixing equipment, gloves and application equipment should be cleaned up immediately using a citrus or biodegradable cleanser, with hot water, while material is still wet. Wash hands with soap and water after using Blome 936.

## **WARRANTY**

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. Our material data sheets and other literature are to be considered accurate and reliable, but are used as guides only. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANT ABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications; however, the user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for consequential or incidental damages. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole option, to repayment of the purchase price of the non-conforming goods.

Printed: August 8, 2020