

Product Description

TCC Materials® Underground Utility Mortars are dry, preblended mortar mixes containing Portland cement, hydrated lime, and dried masonry sand formulated for superior bond and outstanding freeze-thaw resistance in all underground precast concrete structure applications.

When/Where to Use

TCC Materials® Underground Utility Mortars are designed to be compatible with the characteristics of the specified precast concrete structure or brick used in manhole and catch-basin construction. They are acceptable for the jointing of all types of underground precast concrete utility construction and laying concrete brick in manholes and catch basins. They may be used above or below grade when manufactured to the appropriate specification.

Applicable Standards

- 103725 WI DOT Stone & Pointing Mortar: Meets WI DOT Specification 518.2.3 mortar proportion specification and ASTM C387
- 105223 WI DOT Catch Basin/Manhole Mortar: Meets WI DOT Specification 519.2.3 mortar proportion specification and ASTM C387.

Advantages

- Optimal Bond with Pre-Cast Concrete
- Excellent Freeze-Thaw Resistance
- Preblended Mixture
- Below or Above Grade

Packaging

80lb. (36 kg) or 3000lb. (1361 kg) bags

*Made exclusively at Roberts Concrete Products

Approximate Yield

80 lb. bag = .7 cu. ft. of wet mortar

Helpful Items:



Surface Preparation

Concrete surfaces should be clean, sound, and free from any materials that may inhibit bond such as oil, asphalt, curing compounds, acids, dirt and loose debris.

Mixing and Application

When mixing, a mechanical batch mixer best ensures homogeneity, workability and good board life. Place the desired number of bags of Underground Utility Mortar into the mixer. Use full bags only. Do not exceed mixer capacity. Use clean, potable water and add approximately 1-1¼ gallons per bag for optimal workability. Mix batch for approximately 5 minutes. For concrete pipe connection, ensure that concrete pipe joints are thoroughly cleaned and dry prior to application of Underground Utility Mortar. Pack the mortar into the annular space on the concrete pipe and finish smooth and flush inside while leaving a smooth mortar layer over the exterior connection. Lay concrete brick in manholes or catch basins following standard masonry practices. Underground Utility Mortar can be used as a parge coat over the brick in the manhole or catch basin. Mortar shall be used and placed in final position within 1½ hours after initial mixing or discarded at that time. Do not retemper Underground Utility Mortar.



WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

Warning

This product contains Portland cement. Contact with cement, freshly mixed concrete, or mortar can cause severe burns. The cementitious materials mixed onsite are alkaline in nature and on contact with water may irritate the eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating. Do not take internally. This product may contain silica. Inhaled silica dust may cause respiratory or other health problems.

Warranty

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those including merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, the sellers liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.

MORTAR PROPERTIES	BOM# 103725	BOM# 105223
Type 1 Portland Cement	0.5 parts	0.75 parts
Hydrated Lime	0.5 parts	0.25 parts
Dried Fine Mason Sand	3.0 parts	3.0 parts