



# Epoxy.com Product #1000

## Fast Setting Trowelable Mortar

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**DESCRIPTION:** Epoxy.com Product 1000 Fast Setting Trowelable Mortar with Migratory Corrosion Inhibitor is a one component trowelable patching mortar designed for overhead and vertical use. Product #1000 is a special blend of fiber reinforced fast setting cement with silica fume, polymeric compounds and aggregates which achieves structural properties in a short time. Epoxy.com Product #1000 is ready to use with just the addition of clean water which activates the modified cement mortar.

### ADVANTAGES:

- Very Fast Setting Cement Patching material for vertical and overhead use
- Single component - just add water to activate modified cement.
- Excellent bond to clean concrete and masonry surfaces.
- Can be applied in layers up to 3" thickness.
- Consistency of the material is controlled by the amount of water added.
- Not a vapor barrier.
- Fiber reinforced for high tensile strength.
- Extremely good abrasion resistance.

**WHERE TO USE:** Overhead and vertical patching mortar for: broken or spalled concrete, pavement, curbs, beams, underside of concrete bridges, repointing mortar, stucco. Ideal for setting beds on uneven surfaces where good gap filling properties are essential, and ideal for fast setting of brick pavers and tiles outdoors or indoors.

**SURFACE PREPARATION:** Remove all dirt, grease, oil laitance and curing compounds from concrete, mortar and sand by sandblasting or mechanical roughening. On metals, remove grease, oil, rust and mill scale by abrasive blasting or wire brushing.

**MIXING:** Pour 135 fluid oz. (4.0 L) of water in pail or mortar mixer. In pail, mix with a slow speed drill and paddle, while adding **MC1000** powder slowly to avoid lumps. (Do not over mix; three minutes is sufficient.) If a more plastic consistency is required, add additional water to mix. Should small quantities be required, be sure to use smaller quantities of water. Masonry surfaces or other absorbent surfaces should be dampened but free of standing water.

**LIMITATIONS:** Store in cool, dry place. Material should be stored at temperature of 40° F (4.4° C) or higher.

**APPLICATION:** Lowest application temperature is 40° F (4.4° C) at the time of application. Be sure mortar is mixed thoroughly to a uniform consistency. Trowel Epoxy.com Product #1000 **Fast Setting Trowelable Mortar with Migratory Corrosion Inhibitor** in prepared area and allow mortar to stiffen, then produce desired finish by using float or rubber gloves, forcing mortar in voids. If steel trowel finished is required, wet trowel with water. Product #1000 should be protected for first 24 hours after placement from oil, acids, and alkalis. Protect from wind and heat for the first 24 hours. On very porous or weak surfaces, use Epoxy.com Product #825 Primer. To improve bond, apply Product #825 at a rate of 350 sq. ft (32.5 m<sup>2</sup>)/gal. for brush application. For spray application, dilute with a small amount of water to a suitable spraying viscosity and apply at a rate of 250 sq. ft. (23.2 m<sup>2</sup>)/gal. Primer will prevent mix water loss from Product #1000 Mortar into hardened masonry.

If no primer is used, dampen masonry surface to which **Epoxy.com Product #1000** is applied. On large surface areas, the use of a good curing compound, meeting ASTM C 309, Type I, or water curing is recommended.

## Properties

Color	Gray	
Working Time at 72° F (22.2° C)	± 2 15 minutes	
Finishing Time	25 minutes	
Compressive Strength ASTM C 109		
2 hours	2,000 p.s.i ± 250	MPa + 1.72
24 hours	3,000 p.s.i ± 250	MPa + 1.72
7 days	5,000 p.s.i ± 250	MPa + 1.72
28 days	6,500 p.s.i ± 250	MPa + 1.72
Flexural Strength ASTM C 293		
28 days	750 p.s.i ± 50	MPa + 0.34
Tensile Strength ASTM C 190		
28 days	500 p.s.i ± 50	MPa + 0.34
Bond Strength - Slant Shear		
ASTM C 882 (Modified)	2,500 p.s.i ± 100	17.24 MPa + 0.69
Contraction	0	
Expansion	0	
Freeze-Thaw 10% NaCl, 50 cycles one cycle per day % loss, maximum	0.5	

**PACKAGING:** 50 pound multi-wall polyethylene lined bags and 50 pound (22.68 kilo) pails. Yield is approximately 0.42 cubic feet per bag. 50 bags per shrink wrapped pallet.

**SHELF LIFE:** 12 months in dry protected storage. All materials must be stored indoors.

**CAUTION:** Cement powder or freshly mixed concrete, grout or mortar may cause skin injury. **Product #1000** contains silica sand. Avoid breathing dust and contact with skin; wash exposed areas promptly with water. If any cement powder or mixture gets into eyes, rinse immediately and repeatedly with water. Get prompt medical attention! Use a NIOSH approved dust mask when needed.

**FOR INDUSTRIAL USE ONLY  
KEEP AWAY FROM CHILDREN**

For more information please contact:

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