



FX-263

Rapid Hardening Trowelable Mortar

DESCRIPTION:

FX-263 Rapid Hardening Trowelable Mortar with Migratory Corrosion Inhibitor is a one component trowelable patching mortar designed for overhead and vertical use. **FX-263** is a special blend of fiber reinforced rapid setting cement with silica fume, polymeric compounds and aggregates which achieves structural properties in a short time. **FX-263** is ready to use with just the addition of clean water which activates the modified cement mortar.

ADVANTAGES:

- Meets specification of Virginia DOT.
- Very rapid hardening 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 rapid setting of brick pavers and tiles outdoors or indoors.

PHYSICAL PROPERTIES:

FX-263 Recommended Application Temperature 40°F & Above

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 psi	13.79 MPa
24 hours	3,000 psi	20.68 MPa
7 days	7,500 psi	51.71 MPa
28 days	8,500 psi	58.61 MPa

Flexural Strength

ASTM C 293

28 days	800 psi	5.52 MPa
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Tensile Strength

ASTM C 190

28 days	500 psi	3.45 MPa
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Bond Strength – Slant Shear

ASTM C 882 (Modified)

14 days	2,500 psi	17.24 MPa
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Contraction 0

Expansion 0

Freeze-Thaw 10% NaCl, 50 cycles % loss, maximum 0.5
one cycle per day

SURFACE PREPARATION:

Remove all dirt, grease, oil laitance and curing compounds from concrete, mortar and stone by sandblasting or mechanical roughening. On metals, remove grease, oil, rust and mill scale by abrasive blasting or wirebrushing.

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 **FX-263** 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.

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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 **FX-263 Rapid Hardening 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. **FX-263** 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 **Fox Bondcrete** as a primer. To improve bond, apply **Fox Bondcrete** at a rate of 350 sq. ft (32.5 m²)/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 m²) /gal. Primer will prevent mix water loss from **FX-263 Mortar** into hardened masonry. If no primer is used, dampen masonry surface to which **FX-263** is applied. On large surface areas, the use of a good curing compound, meeting ASTM C 309, Type I, such as **FX-15**, may be necessary.

LIMITATIONS:

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

PACKAGING:

50 pound multi-wall polyethylene lined bags and 50 pound (22.68 kilo) pails. Yield is approximately 0.45 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. **FX-263** 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.