

SEMCO™

ANTI-FRACTURE MEMBRANE

- Reduces crack transmission on tile and stone floors
- Convenient, ready-to-use
- Trowel applied, single component system
- Set tile directly over membrane

PRODUCT DESCRIPTION

Semco is a ready-to-use, elastomeric anti-fracture membrane for substrates subject to minor movement. It reduces crack transmission in tile and stone floors. It can also be used for light-duty waterproofing of residential counters, backsplashes, tub surrounds and shower walls prior to the installation of tile.

AREAS OF USE

- Mortar bed
- Concrete
- Gypsum drywall, greenboard
- Exterior grade plywood
- Light-duty waterproofing of interior areas with intermittent water exposure, such as residential countertops and floors

LIMITATIONS

- Not recommended for use on shower floors, in areas exposed to complete water submersion or for exterior applications.
- Not for use as an adhesive for setting tile.
- For interior use only.
- Do not apply at temperatures below 50° F (10° C).
- Do not use to bridge or cover over existing expansion, control, construction, cold or saw-cut joints.
- Membrane must be covered with tile or other protective surface.

SURFACE PREPARATION

All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent a good bond. Concrete must be fully cured and not subject to hydrostatic pressure. Concrete surfaces should accept water penetration. Plywood floors should be built to industry standards. Existing surfaces should be smooth and level and all defects repaired. Do not use to bridge or cover over existing expansion joints. Cracks in excess of 1/8" (3 mm) should be treated as expansion joints.

APPLICATION

As an Anti-Fracture Membrane

Force Semco into cracks with the flat side of the trowel. Then, using a 3/16" x 1/4" (5 x 6 mm) V-notch trowel, comb Semco onto the substrate. Immediately after troweling on the Semco, use the flat side of the trowel and flatten the ridges to form a

continuous, even coat of material. Membrane should extend beyond both sides of the crack a minimum of the diagonal measurement of the tile. Allow to dry for a minimum of 24 hours before installing tile.

As a Light-Duty Waterproof Membrane

Pack into corners and openings. For countertops, pack into the corner where the counter and backsplash meet extending it 6" (15 cm) on either side. We recommend embedding 6" (15 cm) wide fiberglass mesh into the membrane in corners and where counters and walls meet for best results. Apply to the wall or counter using a 3/16" x 1/4" (5 x 6 mm) V-notch trowel, then use the flat side of the trowel to flatten and smooth the ridges to form a continuous layer of material. Membrane should be a minimum of 20 mils dry or 40 mils when wet. Check for voids or pinholes after membrane has dried about 1 1/2 to 2 hours. Apply another coat of material to fill any voids.

CURING

Allow to cure for a minimum of 24 hours. When installing Semco over a dense substrate or in areas of cooler temperatures or high humidity, allow at least a 72 hour cure. We recommend setting tile with a polymer-modified thin-set mortar.

CLEAN-UP

Wash thoroughly with soap and water after handling.

COVERAGE

Approximately 40 - 45 sq. ft. per gallon (3.71 - 4.18 m² per 3.78 L) when applied with a 3/16" x 1/4" (5 x 6 mm) V-notch trowel.

ORDERING INFORMATION

ITEM CODE	SIZE	COLOR	PACKAGE
SAFM1	1 gallon (3.78 L)	White	Pail
SAFM3	3.5 gallon (13.25 L)	White	Pail

SAFETY

Wear rubber gloves and protective eyewear. Avoid eye contact. If eye contact occurs, flush with water for 15 minutes and call a physician. Wash thoroughly after handling. Keep from freezing. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.



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