



Protect flooring installations from the ground up.

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MOISTUREBLOC[®] FP

THIN SET PATCHING and REPAIR MORTAR FEATHER EDGE • POLYMER MODIFIED

DESCRIPTION

MOISTUREBLOC FP uses advanced polymer modified portland cement for the patching and restoration of concrete floors which are not subjected to concentrated or point loading. MoistureBloc FP can also be used on walls, precast, and tilt-up panels, as well as masonry and stucco. Similar to concrete in color, MoistureBloc FP is ideal for repairing of surface defects in concrete and masonry such as cracks, spalls, bugholes and shallow honeycombs. MoistureBloc FP may be used in place of rubbing and sacking by coating both new and old concrete surfaces to produce a uniform texture and color. MoistureBloc FP may be trowel applied to smooth or texture the surface of concrete block.

BENEFITS

- One component, just add water
- Polymer fortified formulation
- Excellent freeze/thaw resistance
- Self curing in most applications
- High compressive, flexural, tensile and bond strength
- Excellent performance from feather edge to ½ inch thickness
- Extended working time

SURFACE PREPARATION

- Surfaces to be repaired must be structurally sound, clean and free of dust, dirt, oils, paints and all other contaminants that will prevent proper bond.
- For optimum results, bonding surface should be roughened by sandblasting or other mechanical means.

SURFACE CONDITIONING

The surface to receive the repair material must be saturated, surface dry (SSD) with no standing water.

MIXING

Desired Thickness

Feather to ½ inch

Brushable

Mixing Water

5.5-6.0 pints

6.0-6.5 pints

- These are based on a 25-pound bag. 1 pound of MoistureBloc FP covers approximately 1 sq ft at 1/8 inch thickness. Used as a repointing mortar, 1 pound will fill 17 cubic inches. Used as a brush applied slurry coat, 1 pound covers approximately 4 – 5 square feet.
- Small quantities can be mixed by hand, adding clean water to a suitable, clean container at the rate of 2.4 pints for each 10 pounds of MoistureBloc FP, or approximately 3.75 – 4 ounces per pound. Larger batches require a jiffy type mixing paddle and a drill operating at slow speed.
- Start by placing the measured mixing water into the mixing container. Add MoistureBloc FP to the water and mix for 2-3 minutes until a uniform lump free consistency is obtained. The working time at 73° F (23° C) is approximately 45 minutes.
- A test application is recommended.

MIXING

- Mix a small quantity of MoistureBloc FP at the specified mixing water ratio to determine consistency and working time under site conditions.
- A mix consistency can be prepared from stiff to a thin trowelable consistency as your needs demand.
- Always use the minimum amount of mixing water that allows proper placement.

SET TIMES

To extend set time use cold water. To reduce set time use hot water. Site environmental conditions such as air and substrate temperature will also affect set times.

PLACEMENT & FINISH

- Remove any standing water from the patch area immediately prior to placement.
- Apply MoistureBloc FP with a trowel from featheredge to ½ inch thickness.
- If blistering occurs, use a trowel or float with a coarse textured surface or delay finishing until material starts to set.

CURING

Cure as per ACI recommendations for portland cement concrete. Beginning as soon as the patch has set, keep surface continuously moist for 24 hours, using burlap, fine mist, or a water based cure such as Vexcon's Envio Cure 100. Protect the newly placed material from wind, sun, rain, and frost. When conditions exist for rapid water loss, the use of Certi-Vex Envio-Assist, evaporation retarder is recommended.

YIELD

When used in accordance to directions MoistureBloc FP yields .24 cu.ft per 25 lb bag when used with 1.6 quarts of mixing water per 25 pounds.

PACKAGING

MoistureBloc FP is available in 25 pound bags. Contact Vexcon directly to discuss your customized packaging requirements.

