



Applied Moisture Barriers

Our Moisture Treatment Solutions

Beautiful flooring starts with a well-prepared floor. With moisture being the number one cause of flooring failures, understanding the moisture content in your concrete subfloor and addressing it is critical to a long-lasting flooring installation.

The increased popularity of impervious floor coverings, such as resilient and carpet tile, combined with accelerated construction schedules make moisture-related flooring failures more common. Concrete needs time to dry, so accelerated construction schedules can

cause adhesives to release, flooring to buckle and water to seep up through the floor covering.

Shaw Contract flooring experts have not only taken action to solve top-down moisture concerns, but have developed installation solutions to target bottom-up moisture issues. With our applied moisture barrier solutions, you can install your flooring as soon as 8 hours after application, versus traditional remediation methods, which are often unsuccessful and can take up to a week to install.

MOISTURE MANAGEMENT SOLUTIONS

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Once proper moisture testing is performed in your space, be sure to use our **Moisture Decision Tree** to choose the best combination of the following moisture treatment solutions for your needs.

STEP 1—CONCRETE PREP



Surface Prep EXT™

Concrete prep that creates a pristine concrete surface

- Concrete cleaner and heavy duty etching agent that neutralizes pH
- Spray-on solution that provides a less expensive alternative to grinding and/or bead blasting
- Required for both MoistureShield and MoistureTek
- Does not generate dust or other contaminants into the atmosphere

Spread Rate: 900 sq ft / 4-gal pail 83.61 m² / 15.14L pail

STEP 2—MOISTURE TREATMENT SOLUTIONS



MoistureShield™

Applied moisture barrier

- Spray-on solution that provides a permanent breathable membrane just below the surface of the concrete
- Protects flooring at 99% RH or greater, ≤ 12 MVER, ≤ 12 pH
- Dries in 2–3 hours

Spread Rate: 900 sq ft / 4-gal pail 83.61 m² / 15.14L pail



MRP™

Barrier primer that isolates contaminants

- Permanent 2-part, water-based epoxy primer
- Can be installed over chemically abated floors
- Apply to concrete, metal, wood, fiberglass or terrazzo
- Withstands moisture up to 99% RH, 14 lbs. MVER and 14 pH
- Only one coat needed in most installations

Spread Rate: 600 sq ft / 4-gal kit | 55.74 m² / 15.14L kit using a 9" or 18" nap roller (1/4" - 3/8")



MoistureTek™

Applied moisture barrier

- 2-part Epoxy
- Protects flooring in extreme conditions up to 100% RH, >12 MVER, >12 pH
- Can be applied to concrete as early as 24 hours after a concrete pour
- Cures in 6–8 hours depending on ambient temperature and humidity

Spread Rate: 300–350 sq ft / 4-gal kit 27.87–32.51 m² / 15.14L kit using a 1/8"×1/8"×1/8" V-notch squeegee

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MOISTURE MANAGEMENT SOLUTIONS

STEP 3—HIGH MOISTURE ADHESIVE



Shaw 4151

High moisture, pressure sensitive adhesive

- For use with carpet tile, broadloom* and resilient
- $<99\%$ RH, ≤ 10 MVER, <11 pH
- Non-water based bondable solution

Spread Rate: 800–1000 sq ft / 4-gal pail 74.32–392.9 m² / 15.14L pail

Please refer to spec sheet for coverage chart by flooring product and applicator size.

With a high-moisture situation, always use a **Shaw approved patch/skim coat** as necessary. A **Shaw approved patch/skim coat** must be used if MoistureShield or MoistureTek has been applied.

*Not approved for patterned broadloom