

MVT Reduction

INNOTECH® MVT REDUCTION is a water-based impregnating sealer designed to reduce moisture vapor transmission in cementitious substrates. This product should be used prior to the application of INNOTECH OVERLAYS[†], INNOTECH CHEMICAL STAIN[†] colors Jade, Bluegrass and Fern, and non-breathable INNOTECH sealers such as SURPRO SB[†], SURPRO WB Matte[†] and POLYUREA SB - 85[†] concrete surfaces, where excessive moisture vapor transmission may be a problem.

Product Features and Benefits

INNOTECH MVT REDUCTION...

- Crystallizes beneath the surface becoming an integral part of the concrete to form a barrier to moisture vapor and curbing the transmission of calcium salts (which can form as efflorescence, a white film that masks the surface concrete color).
- Should be used with concrete receiving topical sealers when the potential for a high vapor transmission rate in the concrete has been measured or is expected.

Prior to Application

- Surface must be clean, dry and free of all coatings, waxes, curing compounds or other contaminants prior to application.
- Sweep the floor thoroughly.
- Using an automatic floor scrubber or clean wet mop, apply a 20:1 solution of clean water to INNOTECH CONCRETE DEGREASER & NEUTRALIZER[†] to the floor.
- Scrub the floor using a standard speed floor buffer or automatic scrubber equipped with Nylo-grit strip brushes or strip pads.
- After the floor is scrubbed, pick up the INNOTECH CONCRETE DEGREASER & NEUTRALIZER[†] solution residue with a wet vacuum, then rinse thoroughly with large amounts of clean, warm water.
- Vacuum again, then Light mop with clean, warm water.
- Allow the floor to dry before application of INNOTECH MVT REDUCTION.

Product Application

- INNOTECH MVT REDUCTION may be evenly applied with a pump-up or low pressure sprayer.
- This product is best to apply in light coats, applied at an approximate coverage rate of 300 s.f. per gallon.
- Do not allow this product to puddle or run. Use a soft broom, mop or lambswool applicator to smooth out any puddles.
- Apply INNOTECH MVT REDUCTION then allow it to soak in for at least 10- to 15-minutes - **do NOT allow product to dry while it is penetrating into the concrete**, as this will result in an unsightly white residue which is difficult to remove. If product does dry and leave a white residue on the surface, immediately scrub with a buffer equipped with a stripping pad, brush or abrasive disk.
- Once INNOTECH MVT REDUCTION has penetrated for at least 10- to 15-minutes, remove any excess product with a wet mop.
- For ideal moisture vapor reduction, a second application of INNOTECH MVT REDUCTION is recommended. The second application should be applied as soon as the previous coat is dry to the touch (approximately 15- to 30-minutes).
- Upon completion of application(s) remove any excess material with a wet mop, then rinse the surface with clean water using a wet mop or autoscrubber.

Product Limitations

- INNOTECH MVT REDUCTION is intended to be applied as an impregnating sealer and should not be over-applied to the extent that a topical film is formed, thereby interfering with the penetration of stains and dyes, and adhesion of overlays and topical sealers.
- INNOTECH MVT REDUCTION cannot be used to successfully address a high hydrostatic condition.

Technical Data

Please refer to the corresponding MSDS for hazard-related information.

- Color Clear
- Odor Mild
- VOC Content N/A
- pH 11.8 + 0.2
- Flash Point None (C.O.C. method)
- Drying Time 30-60 Minutes (@ 68 °F, 50% RH)

Available Packaging and Coverage Information

Packaging: INNOTECH MVT REDUCTION is available in 1- and 5-gallon units.

Coverage rates may vary depending on the texture, porosity and condition of the concrete, application method, and other local conditions.

- Coverage is approximately 300 square feet per gallon (300-600 s.f./gal for smooth concrete, 150-400 s.f./gal for rough concrete).

Product Shelf Life/Storage

Store INNOTECH MVT REDUCTION at a minimum temperature of 40 °F. Shelf life: 12 months.

Product Handling


Prior to using INNOTECH MVT REDUCTION, please reference the corresponding Material Safety Data Sheet to ensure safe handling.

Product Warranty

INNOTECH MVT REDUCTION is a proprietary product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over the product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product.

†PLEASE REFER TO CORRESPONDING TECHNICAL BULLETIN FOR PRODUCT AND APPLICATION DATA.

INNOTECH MVT REDUCTION and other INNOTECH products are for professional use only.

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INNOTECH products can be purchased at:



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