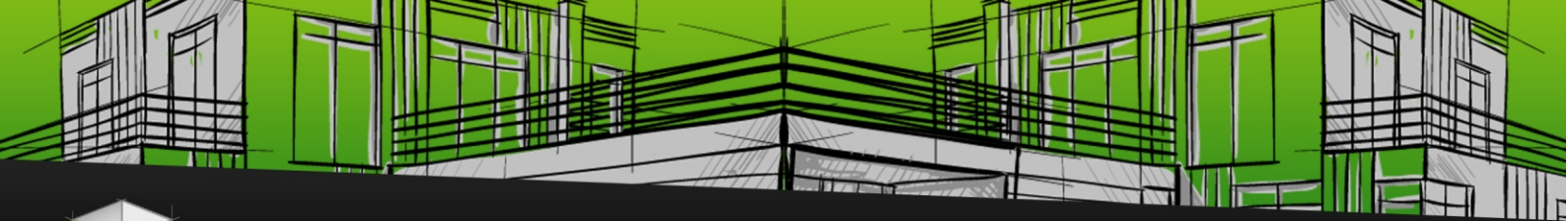

EVERLAST CONCRETE TECHNOLOGIES
BEST PERMANENT CONCRETE PROTECTION

MOISTURE REDUCING BARRIER

TECHNICAL DATA

PRODUCT

MOISTURE REDUCING BARRIER Concrete is a colloidal Silicate base subsurface barrier. Rather than covering up the challenge of excessive moisture in concrete, MOISTURE REDUCING BARRIER reduces the moisture vapor emission from the concrete matrix to acceptable levels for all types of flooring installations.

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DESCRIPTION/USE/LIMITATIONS

MOISTURE REDUCING BARRIER is a cloudy white, water base, Colloidal Silicate, which internally (integrally) seals Portland cement concrete with a subsurface barrier. MOISTURE REDUCING BARRIER is a permanent application that can be applied to existing concrete or newly placed concrete. When MOISTURE REDUCING BARRIER is applied to concrete, it penetrates deeply below the surface porosity and capillary system reacting with concrete's unbound (free) constituents, such as alkali and/or inactivated calcium hydroxide residue. This unique reaction converts the MOISTURE REDUCING BARRIER liquid, (which is virtually zero in solids) into a 100% solids colloidal silicate precipitate (gel) that is internally generated and very insoluble. This MOISTURE REDUCING BARRIER gel forms and occupies the concrete's "surface" accessible porosity and internal tiny voids. The application of MOISTURE REDUCING BARRIER will enhance the concrete's overall integrity as it supplements, densifies, waterproofs, and internally detoxifies without effecting the concrete's surface traction or bond ability of other surface applications.

MOISTURE REDUCING BARRIER Application:

MOISTURE REDUCING BARRIER works with and reacts only to Portland base concrete structures. MOISTURE REDUCING BARRIER is NOT intended for gypsum products. When applying MOISTURE REDUCING BARRIER to concrete; old adhesive, cut back, sealers, curing compounds, poorly bonded patching, or anything that would inhibit the absorption of MOISTURE REDUCING BARRIER must be removed. Test the surface of the concrete with droplets of water. The water should absorb into the concrete within about one minute. Use this test method throughout the installation area. If the water does not significantly absorb into the concrete within one minute the concrete must be treated treated as nonporous. Preparation methods include but are not limited to scarifying, grinding, or bead blasting according to industry standards. After the concrete surface has been prepared, apply MOISTURE REDUCING BARRIER at the rate of 150 to 200 square feet per gallon. Allow MOISTURE REDUCING BARRIER a minimum of 24 hours to purge the concrete of excess moisture. Some concrete structures will take longer than others. MOISTURE REDUCING BARRIER is, and, will continue to work throughout the matrix of the concrete.

MOISTURE REDUCING BARRIER: a sealer/densifier: MOISTURE REDUCING BARRIER can be applied to already set concrete of any age. As MOISTURE REDUCING BARRIER penetrates the concrete, a reactive process begins and the free alkali is converted to a calcium silicate hydrate gel. This process permanently seals and densifies the concrete. After the application of MOISTURE REDUCING BARRIER, the concrete is waterproof and more resistant to ASR, oils, acids, industrial chemicals and cleaners.

Application: After MOISTURE REDUCING BARRIER application and cure time of 24 hours, moisture tests should be used per industry standards. ***Calcium Chloride ASTM F-1869 is recommended.***

1. Use a medium to high-pressure airless sprayer with a .017 to .019 tip size.
NOTE: When an airless sprayer is not allowed for application, please contact the representative for alternative application methods.
2. All surface products other than concrete must be removed to allow the penetration of MOISTURE REDUCING BARRIER.
3. Apply MOISTURE REDUCING BARRIER to the point of saturation at the rate of 150 to 200 square feet per gallon. Use an overlapping pattern of 10% to 15%.
4. Some areas of the concrete may have a larger porosity rate and the MOISTURE REDUCING BARRIER will absorb at a much faster rate. These areas should have a second application of the MOISTURE REDUCING BARRIER.
5. When applying other coatings to the concrete, wait 24 hours. Rinsing may be needed if the MOISTURE REDUCING BARRIER purged the concrete of impurities.
6. Do not apply MOISTURE REDUCING BARRIER to frozen or near frozen concrete.