



Summary of Unwarranted Conditions for Moisture Remediation Systems

By researching product data provided by domestic and international manufacturers of liquid applied moisture vapor suppression systems it is evident that these manufacturers stipulate that they will not warrant their products when the following are present in any concrete substrate:

- Alkali-silica reaction (ASR) is the most common form of alkali aggregate reaction (AAR) in concrete. ASR is caused by a reaction between the hydroxyl ions in the alkaline cement pore solution in concrete and reactive forms of silica in the aggregate. A gel is produced, which increases in volume by taking in water and exerts expansive pressure, resulting in failure of the concrete.
- Any typically applied compounds or integrally added compounds such as unreacted water soluble silicates, Calcium Chlorides or Aluminum Stearates or any compound or material that acts or may act as a bond breaker to surface applied systems or that causes efflorescence.
- Bond inhibiting contaminants such as organic hydrocarbons (oils, grease or solvents), penetrating surface sealers, curing compounds (organic and inorganic), hardeners and densifiers, surface dust or dirt, adhesives and adhesive residue, old patching or underlayment material, improperly applied crack or expansion compounds or any other deleterious compounds or materials that can prevent adhesion of moisture vapor suppression systems.
- pH in excess of the manufacturer's stipulation for their system which ranges from a pH of 8.5 to a pH of 14. The pH of ordinary concrete is highly alkaline when placed. This is desirable because it provides passivation of imbedded steel reinforcement which condition inhibits corrosion of steel. As carbon dioxide in ambient air naturally reacts with the concrete, the process reduces the pH to 8.5 over time. This close to neutral pH surface is preferred because alkalis can degrade and/or dis-bond flooring materials.
- Moisture vapor emission rate or Relative humidity rate present in a slab exceeding the manufacturer's published limits for their surface-applied vapor reduction treatment system on same concrete substrate.

Additionally, all manufacturers require that their products be applied in accordance with their application specifications and most manufacturers further stipulate that application must occur over structurally sound and clean concrete surfaces as defined in American Concrete Institute Committee 201 Report, "Guide to Durable Concrete," (ACI 201.2R-01).

For most but not all manufacturers this includes proper "vacuum shot blasting" consistent with their specifically required CSP profile and quantitative moisture testing; ASTM F1869 for Anhydrous Calcium Chloride Test to measure pounds of moisture emitted and/or ASTM F 2170 for determining relative humidity using in situ Probes.

Michael H. Blackburn, Master Terrazzo Technologies, July 23, 2012

Warranty Information

Values stated herein are typical values based on periodic testing and product experience. MTT DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where customer demonstrates non-conformance of product to typical values stated herein, MTT will supply replacement product or, at its option, credit Customer's account for the purchase price of non-conforming product. Recommendations herein as to the surface preparation, application, maintenance, and other matters involved in storage, handling, or use of product are based on best information reasonably available to MTT. Because MTT has no control over such matters, or over substrate or other conditions that may affect ultimate performance, Customer has the obligation to determine suitability of product for the intended purpose, and MTT SHALL HAVE NO



**MASTER
TERRAZZO**
TECHNOLOGIES

8000 Bristol Pike
Levittown, PA 19057
888-999-6885
office@masterterrazzo.com
www.masterterrazzo.com

Summary of Unwarranted Conditions for Moisture Remediation Systems

Page 2 of 2

RESPONSIBILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES BUT ONLY FOR THE REPLACEMENT OR CREDITING REMEDY ABOVE. All claims for replacement or crediting must be made within one year from date of shipment. The sale and purchase of product from MTT are subject in each case to MTT's Terms and Conditions of Purchase.

© 2013 Master Terrazzo Technologies
8000 Bristol Pike, Levittown, PA 19057
Support Center: 888-999-6885
Main Office: 215-949-1474
Fax: 215-949-9422
www.masterterrazzo.com
Email:office@masterterrazzo.com

MTT-SUCRS-8-12