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Technical Bulletin admixtures and topically applied silicates

Due to growing concerns throughout the flooring industry regarding both concrete admixtures and topically applied silicate moisture barriers, we have some important notes we would like to cover:

- When properly applied, most moisture control products will reduce MVER (Moisture Vapor Emission Rates).
- We have seen several cases where chemicals from the admixture have leached to the surface of the slab and attacked both the adhesive and the flooring.
- The chemistry concrete admixtures are unique to the product and manufacturer so they can vary greatly which can lead to unknown results.
- Components from the concrete admixtures or topical silicates can migrate to the surface and become bond breakers.
- Topically applied silicates can be over-applied and leave a residue which can create a bond breaker.
- Since concrete admixtures and topically applied silicates need to react with free salts in the concrete in order to control vapor emissions, they perform best on properly designed slabs.
- Regional variations in concrete components can greatly affect the performance of concrete admixtures or silicate moisture barrier systems.
- Accelerants and other additives can greatly change the chemistry of the concrete.
- When used over slabs containing concrete admixtures, curing compounds may not penetrate the concrete as designed and can create a bond breaker.

Please note: We have performed extensive internal testing over slabs with the ISE LOGIK Industries MVRA 900 concrete admixture. Based on that testing, we recommend and warranty all solvent free Taylor adhesives over slabs with the MVRA 900 concrete admix when used per Taylor instructions.

Since we have not performed testing with any other admixtures at this time, we cannot make that same recommendation for other products.

Please contact me with any questions.

Sincerely,

Gary Scheidker

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