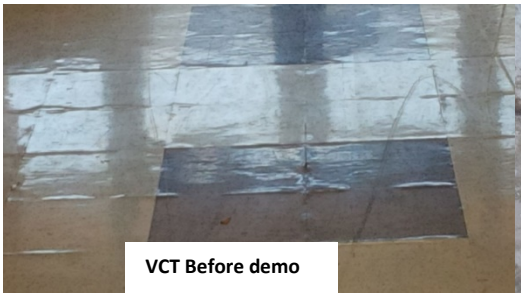
Subject: **Schools Out Until Fall – MAYBE?**
Project: Barber Hill ISD
Resilient Flooring: VCT
Moisture: 99%RH
Project Size: 13,500sf VCT - August 2015

- **Scope:** Moisture/pH readings were unacceptable for standard installation of VCT. School district has moisture problems throughout. This would be the third replacement of VCT, previous installation had encapsulated asphalt cut-back residue unknown until time of demo.
- **Project Team**: School district, architectural firm, general contractor, consulting firm and project managers.
- **Challenge:** Seeking a solution to replace VCT before the school year begins. A mitigation process of bead blasting and epoxy mitigation was not acceptable from time constraints, environmental issues and cost.

Core samples were pulled and to further complicate the process, damaged and pulled again at additional cost causing further delay. The Aquaflex team met with the project team, reviewed Aquaflex Moisture Mitigation solution to replace and put the area back into service before the school year. After reviewing the facts, data comprised from core testing, questions and concerns about potential Alkali-Silicate Reaction (ASR), Aquaflex was approved for the replacement.

The facts:

- Aquaflex can be used successfully when concrete is insitu testing results at 99%RH levels
- Aquaflex is chemically non-reactive, therefore asphalt cut-back residue does not require encapsulation and will not react
- Aquaflex reaches 80% - 85% of final bond strength within 45minutes to 1 hour, allowing for quick turn-around of space
- Aquaflex compared to epoxy mitigation with bead blasting was less expensive and FASTER
- Aquaflex offers 10 year topical moisture warranty – allowed facilities to strip and apply floor finish the following day



VCT Before demo

Concrete after demo

Concrete after CSP-1 grind with 25grit diamond blades

Result: Project completed on time and turned over well before the school year began. This prompted a specification for a 100,000sf replacement in the summer of 2016.

After CSP – 1 w/ Aquaflex Waterproof Patch

Troweling Aquaflex | Starting Point in Corridor Intersection

Completed Corridor Section

Before stripping of factory finish and application of floor finish.

Additional trade activity, furniture movement from classrooms, etc.

Corridor section stripped of factory finish

Clean water rinse

Standing water throughout the areas

Visible moisture penetration of the tile seams and absorption

- Factory finishes stripped, clean water rinse prior to application of floor finish.
- Standing water, tile seams have absorbed moisture from standing water.
- Important added benefit of the Aquaflex topical moisture protection.

Completed corridors with floor finish applied