

Robinson High School

Case study

Focus product: Intercrete® 4851

Location: Tampa, Florida, USA

Client: Robinson High School

Contractor: Spectra Contract Flooring

Summary: Moisture suppression prior to installation of decorative flooring

Background

After many years of unsolved problems with vinyl tiles repeatedly delaminating from the floors, the cause was finally established as osmotic blistering.

This was a consequence of there being no vapour barrier included when the four original classrooms were built in the 1950's. The pressure generated by osmosis will cause blistering in impervious floor coatings and coverings applied over concrete and cementitious screeds.



The solution

After thorough cleaning of the existing floor, Intercrete 4851 was the recommended treatment because it has shown not to blister or delaminate under conditions which give rise to osmosis. A single 2mm application is sufficient to control high moisture levels in the host concrete, and even green concrete can be treated with an Intercrete 4851 system. Intercrete 4851 incorporates advanced cement chemistry, metakaolin, fibre, epoxy and styrene acrylic copolymer technology to provide multifunctional protection. It is a durable finish in its own right, but can also be used as a means of controlling osmosis beneath other decorative flooring materials.