SCHÖNOX | CASE STUDY: ORLANDO SANFORD INTERNATIONAL AIRPORT

Project Name: Orlando Sanford International Airport
Project Location: Orlando, FL
Contractor: Spectra Contract Flooring
Existing Substrate: Rough existing concrete with imperfections
Products Used: Schönox **SHP** and **ZM**
Flooring Product: Mondo

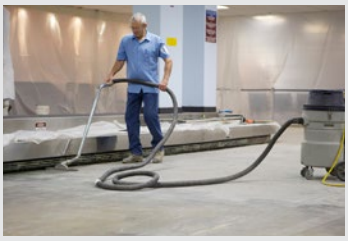
Orlando Sanford International Airport is owned by Sanford Airport Authority and operated by TBI Limited, one of the world's largest airport operators. Given TBI's international reach, much of the airport's traffic is from British charter air carriers servicing the European market for entertainment travel to central Florida. Allegiant Air uses the airport extensively given its focus on the Orlando destination. Once a naval air station, Orlando Sanford is still a significant venue for flight operations training.

Recently the Sanford Airport Authority undertook the project to renovate the baggage claim portion of the airport. As with many renovation projects, the subfloor was an early concern. Consultants with Commercial Flooring Distributors and Schönox were brought in to suggest a plan for properly preparing the subfloor. The heavy traffic of the baggage claim area and the rough concrete substrate were key factors in the project considerations.

Existing Substrate

Several areas of the subfloor had cuts in the concrete from earlier renovation projects. Transition areas and sections of the concrete that were filled during original construction presented especially irregular substrate conditions. The renovation plan called for certain existing floor coverings to remain in place with floor leveling compound poured above them. This view of existing terrazzo flooring, bare concrete with a deep crack, and concrete with residual adhesive captures many of the challenges of a subfloor renovation project.

Preparation



Residual materials not bonded to the substrate surface are removed. All areas of the renovation space are thoroughly vacuumed with a commercial unit.

Removing all dust and debris from the subfloor enhances the bond of the materials to be used later in the project. Areas around the base of the baggage claim ramp are taped to prevent leveling compounds from flowing underneath.

Priming: Schönox SHP

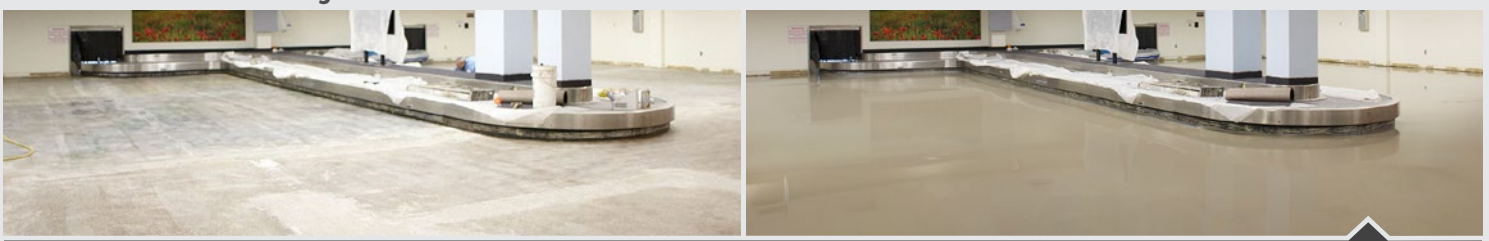
Applying Schönox SHP, ready-mixed acrylic primer, is easy and efficient using a low nap roller attached to an extension rod.

Priming reduces absorption by the substrate, protects sensitive subfloors, binds residual dust, and improves adhesion of the leveling compound.

Leveling: Schönox ZM

Bags of Schönox ZM, cement-based, self-leveling compound, are pre staged at the renovation area. ZM can be used with both concrete and gypsum substrates. The excellent flow characteristics of Schönox ZM make its pouring and distribution an efficient process. ZM is quickly spread around the renovation area using gauge rakes. With its very low emissions, use of the product even contributes to LEED credits.

Renovated Subfloor – Going from Here to There



Schönox subfloor products took the baggage claim area from its rough uneven beginning, through the priming and leveling stages, and finally to a smooth strong subfloor ready for floor covering.