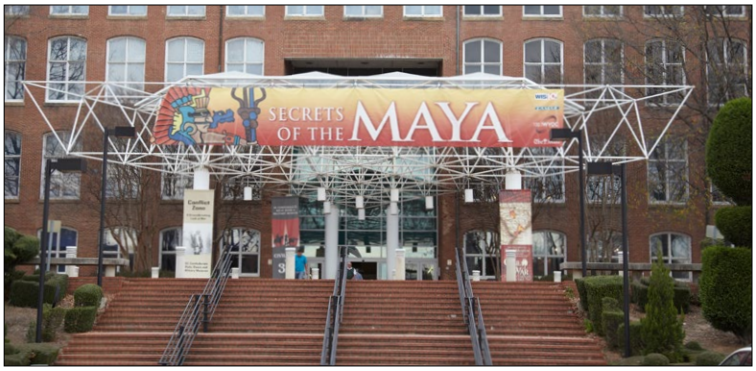
SCHÖNOX | CASE STUDY: SOUTH CAROLINA STATE MUSEUM

Project Name: South Carolina State Museum
Project Location: Columbia, SC
Contractor: Bonitz
Existing Substrate: Existing wood boards, brick, and old concrete
Products Used: Schönox **SEZ** Plus, **VD**, and **AP**



With more than 70,000 artifacts, the South Carolina State Museum calls the building in which it is housed its largest artifact. Built in 1894, the former Columbia Mill, houses exhibits devoted to art, history, science, and technology. Listed on the National Register of Historic Places, the building was the first completely electric textile mill in the world and the first major industrial installation for General Electric.

With so much history, careful attention to detail was required when a portion of the Museum was recently renovated. One hundred plus year old subfloors were an early concern in the project.

Existing Substrate

Former dividing walls within the structure presented deeper subfloor imperfections with brick remnants left behind.

Some areas of the concrete subfloor were damaged.

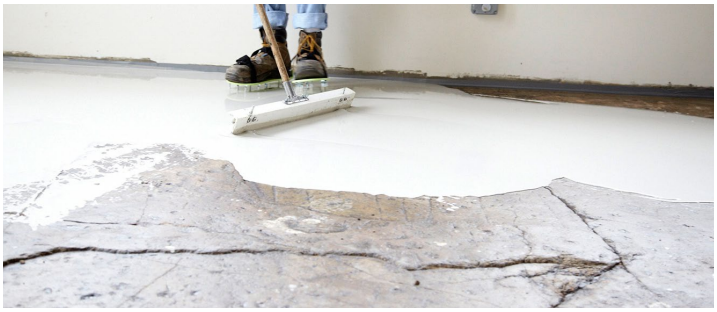
Preparation: Schönox SEZ Plus

Schönox SEZ Plus, rapid-setting sand cement screed, is an ideal choice to fill voids and trenches.

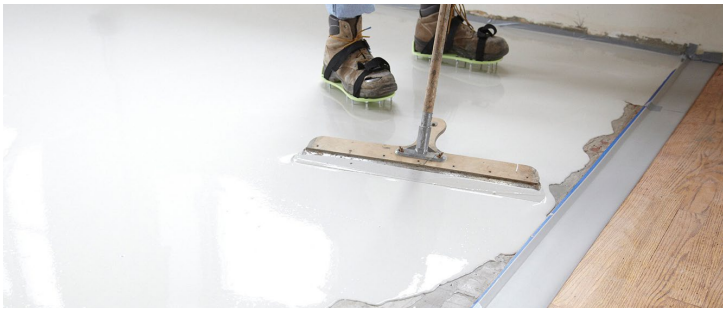
Priming: Schönox VD

The entire space is primed using Schönox VD, dilutable acrylic primer, increasing the adhesion of the leveling materials to be applied next. With a drying time of roughly 10 to 30 minutes, Schönox VD is rolled onto the substrate.

Leveling: Schönox AP

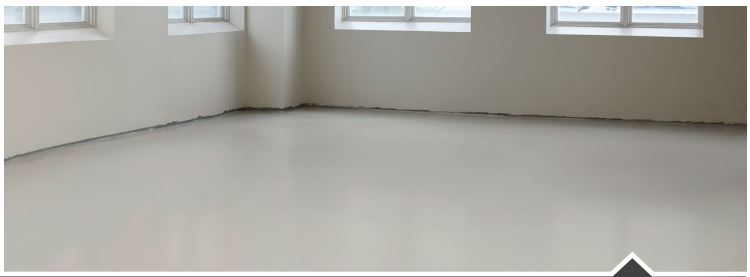


Schönox AP, synthetic gypsum, self-leveling compound flows into the subfloor imperfections with a smooth, efficient consistency.



Prepositioned barriers provide a finished transition between the renovated space and existing floor areas.

Renovated Subfloor – Going from Here to There



The Schönox AP will be ready for flooring installation in roughly 24 to 48 hours given the depth of this pour. Before the subfloor project, the substrate was not suitable for any floor covering.

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