



Retailer Saves on Concrete Mezzanine Floor Repair

-Significant Savings in Materials & Time to replace a damaged concrete floor.

-ResinDek® is more comfortable to work and walk on than concrete.

Industry Group: (SMA) Storage Equipment Manufacturers Association

"We are grateful for the ingenuity and support provided by Daigle Engineers and Cornerstone Specialty Wood Products. And now that we know about ResinDek® and its added benefits with savings we will be considering ResinDek® instead of concrete for future projects." Retailer's Project Engineer

"We feel like we hit a home run by using ResinDek® Xspan®," said the Retailer's Engineering Manager. "We have a new mezzanine and material-handling platform the employees are more comfortable working on, and we have saved a substantial amount of money. Using ResinDek® products seems to be a no-brainer at this point," he continued.

"We selected ResinDek® Xspan® because of its structural integrity and ability to span over intermittent supports," commented Jon Longchamp, President of Daigle Engineers, Inc.



Installation of ResinDek® and steel sleepers over damaged concrete

Retailer of Apparel and Home Fashions had a severely damaged 75,000 square foot concrete mezzanine floor at their distribution center.

Daigle Engineers, Inc. contacted Cornerstone Specialty Wood Products, LLC with their money saving solution. By placing steel sleepers on the damaged concrete directly over the steel bar joists below, the loads could be transferred through the cracked concrete directly onto the substructure. By installing the steel sleepers and ResinDek® Xspan® over the existing slab, it would avoid flexural loading of the damaged slab and deck.

Daigle Engineers, Inc. performed all of the structural analysis on the existing mezzanine structure to determine the new allowable loads for this material handling platform.

The customer (Retailer) saved over \$1 million dollars by using this repair method instead of replacing 75,000 square foot structure. The construction process was trimmed by several months and significantly reduced the disruption of their operations.

Employees working on the new work platform are happy with the added benefits of pallet jacks moving easier and feel the ResinDek® Xspan® flooring is ergonomically friendlier than concrete.



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