



resinDEK®

SPORTING GOODS FACILITY SAVES \$644K USING RESINDEK VS. CONCRETE

◆ A RESINDEK® SUCCESS STORY

A large sporting goods retailer with multiple elevated platforms in various locations had used concrete before, and had used ResinDek on a pick module work area in Georgia. So the question became, what type of flooring would provide the best value for another mezzanine at the Katy, Texas headquarters location?

CONCRETE MEZZANINE COSTS

Footings: \$285,000

Structural Steel: \$823,000

Steel Erections Plus All Other Costs: \$1,598,000

Total Cost of Structure: \$2,706,000

Heavy concrete structures require massive footings and 14" columns.

RESINDEK® MEZZANINE COSTS

Footings: \$148,000

Structural Steel: \$535,000


Steel Erections Plus All Other Costs: \$1,379,000

Total Cost of Structure: \$2,062,000

Re-engineered ResinDek Mezzanine only requires 10" columns.



Concrete requires 14" columns



ResinDek® requires 10" columns

"The ResinDek product gave us some real price advantages, and we were able to pull in savings in 3 areas; the footings, the structural steel, and the erections costs. Using ResinDek also allowed us to use smaller diameter piers with smaller bells on the caissons which saved us around \$140,000 on the foundation portion alone." - Russell Bergeron, President of Tri-R-Erecting & General Contractor, Houston, TX.

ResinDek mezzanine flooring weighs 30 lbs. per square foot less than a concrete mezzanine floor, so on this 90,000 square foot project weight was reduced by 2.7 million pounds. Because of the lighter loads, the columns on the ResinDek mezzanine were reduced in size from 14" x 31 lbs. per foot to 10" x 24 lbs. per foot. This resulted in cost savings in structural steel as well as labor to erect the steel mezzanine substructure. Both bar joists were 18" deep, but ResinDek required less steel because the structure was lighter. ResinDek has proven to be a good decision, according to the Sporting Goods Project Manager in Texas.



| www.resindek.com | info@resindek.com | 888.755.3048 | 513.772.5560



“We were initially attracted of course by the cost savings by using ResinDek®, however an unanticipated benefit has been the ergonomics of the ResinDek® flooring. ResinDek® gives more than concrete and is much more comfortable to work on for long periods of time. We were also happy with our previous ResinDek® installation 2 years ago in our Georgia facility, so this reinforced our decision and the savings has freed up some capital for additional projects.” - Sporting Goods Project Manager, Texas.

“Cornerstone Specialty Wood Products’ customer service has been great; we have received our deliveries on time and prompt field support when needed. As long as the loads applied and use of the structure is appropriate, we will recommend ResinDek® to all of our present and future clients.” - Russell Bergeron, President of Tri-R-Erecting & General Contractor, Houston, TX.

WHY USE RESINDEK?

Besides ResinDek’s structural integrity, durability, environmental and ergonomic advantages, it is quite common to save \$4 to \$5 per square foot when using ResinDek instead of concrete on elevated platforms. With a properly designed flooring system, using ResinDek instead of concrete reduces the flooring system dead weight by 90%! The reduced weight, coupled with an

increased allowable deflection, allows for a significant reduction in the amount of steel in the substructure. As an added bonus, concrete footings can be significantly reduced, and sometimes eliminated altogether for even greater savings. In other words, reduced flooring system weights, combined with smaller footings, less steel, and greater allowable deflections equals Big Savings!

Product Name (B Deck Gauge)	Pallet Jack & Product Load Limits	Robot & Product Load Limits	Maximum Robot Contact Pressure	Thickness	Weight (PSF)		UF	Optional Finishes			
					ResinDek®	ResinDek® with MetaGard®		Gray Diamond Seal® Antistatic	Gray Diamond Seal® ESD	TriGard® ESD	MetaGard®
ResinDek® LD (20ga) ¹	up to 2,000 lbs.	up to 500 lbs.	500 psi	3/4"	2.8	4.2	✓	✓	✓	✓	✓
ResinDek® MD (20ga) ResinDek® MD (18ga)	up to 2,500 lbs. up to 3,500 lbs.	up to 2,000 lbs. up to 3,000 lbs.	750 psi 1,000 psi	3/4"	3.5	4.9	✓	✓	✓	✓	✓
ResinDek® HD (18ga) ResinDek® HD - B Deck Not Required ^{1,2}	up to 4,500 lbs. N/A	up to 4,000 lbs. up to 750 lbs.	1,200 psi 750 psi	3/4"	3.8	5.2	✓	✓	✓	✓	✓
ResinDek® MAX (18ga)	up to 8,000 lbs.	up to 6,000 lbs.	1,500 psi	1-1/2"	7.6	N/A	N/A	✓	✓	✓	✓
ResinDek® Xspan® B Deck Not Required ³	up to 3,000 lbs.	up to 2,500 lbs.	900 psi	1-1/8"	5.2	6.6	✓	✓	✓	✓	✓
ResinDek® Xspan® FR B Deck Not Required ⁴	up to 3,800 lbs.	up to 3,500 lbs.	1,250 psi	1-1/8"	6.0	7.6	N/A	✓	✓	✓	✓

NOTES:

- ¹ Not Suitable for AGVs
- ² ResinDek HD robot and product load values above are calculated with 225 psf uniform loads at 16" center supports
- ³ ResinDek Xspan load values above are calculated with 375 psf uniform loads at 16" center supports
- ⁴ ResinDek Xspan FR load values above are calculated with 450 psf uniform loads at 16" center supports

- For flooring used with corrugated B Deck: Please note load values above are calculated on 36" beam spacing, increased spacing will reduce capacity. Floor deflection is L/240
- For flooring solutions with no B Deck: All allowable loads are based on a two span condition. Uniform load values are based on L/240 deflections, any deviation can positively or negatively impact these values. Please contact Cornerstone for other span conditions.



12020 Tramway Drive
Cincinnati, OH 45241
Toll Free: 888.755.3048 | Tel: 513.772.5560
Email: info@resindek.com | www.resindek.com

