



resinDEK®



SELF-STORAGE COMPANY SAVES MONEY BY BUILDING UP, NOT OUT ◆ A RESINDEK® SUCCESS STORY



After thirteen years in service, ResinDek® panels on the 2nd floor still look amazing!

A SELF-STORAGE COMPANY AVOIDS EXPENSIVE REAL ESTATE BY BUILDING UP, INSTEAD OF OUT

In 2003, Pacific Mini Storage wanted to expand their enclosed facility located just outside San Francisco, California. However, with the high cost of land, traditional horizontal expansion wasn't feasible. So Pacific Mini Storage hired Cubic Designs to "go vertical" with the design and install a mezzanine directly above the existing storage units. This doubled the facility's size and revenue, as an additional 54,000 square feet of storage space was added. ResinDek® panels, structural steel, and corrugated metal decking provided the ceiling for the first level and flooring for the second level.

Since then, Pacific Mini Storage was acquired by Central Self Storage. In March of 2016, Cubic Designs went to visit the facility to make sure that the mezzanine was meeting all of Central Self Storage's needs. Christy, the manager at Central Self Storage, told Cubic Designs that she continues to be impressed with the mezzanine: *"As far as the comments on how the mezzanine has held up...fantastic! It was put together so well, everything seems so perfect. I have been here for almost seven years and I haven't found one thing that anyone could complain about."*

Cubic Designs is a strategic partner and stocking distributor of ResinDek floor panels, which are manufactured and sold by Cornerstone Specialty Wood Products, LLC®. ResinDek floor panels have proven structural integrity and support live and dead pallet jack loads from 2,000 – 8,000 lbs. ResinDek panels can be easily installed without disrupting the occupied units below.



ResinDek panels are less expensive than concrete and can be easily installed without evacuating the occupied units below. ResinDek floor panels shown are 13 years old!



Since 1994, ResinDek® flooring panels have been installed in distribution centers, manufacturing plants, cold storage facilities and self-storage facilities for major corporations worldwide. The intent of Cornerstone Specialty Wood Products, LLC® then and now is “We don’t just make better mezzanine floors...We make mezzanine floors better”. Cornerstone Specialty Wood Products, LLC has earned a reputation for high quality products that are reliable, durable and competitively priced. All ResinDek panels can contribute towards earning LEED® credits and when required are available with FSC certification. Additionally, ResinDek panels have been independently, ergonomically tested and proven to more comfortable to walk and work on when compared to concrete and bar grate, thus reducing the chance for injury caused by tibial shock.

With seven different grades of ResinDek flooring panels, Cornerstone Specialty Wood Products has a wide range of offerings to withstand every type of traffic imaginable. Whether your application has foot traffic, light carts, or even heavy rolling or point loads, all ResinDek panels are covered with a full 10 year product warranty.

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)		Optional Finishes				
					ResinDek®	ResinDek® with MetaGard®	UF	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

