

Iron Clad Protection



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METAGARD

Patent Pending

**Performance Engineered Flooring Panels Designed
for Heavy Wear Areas and Robotic Applications**



CORNERSTONE
SPECIALTY WOOD PRODUCTS, LLC[®]

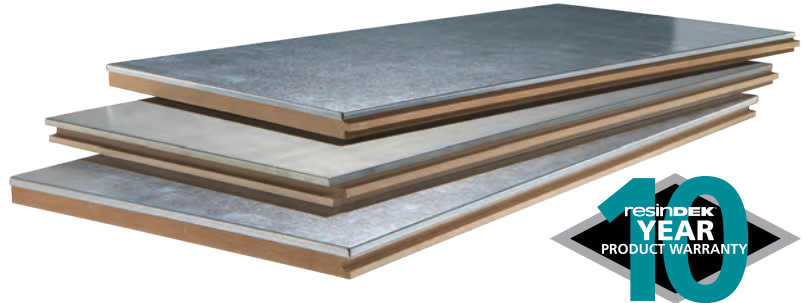
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METAGARD[®]

Performance Engineered Flooring Panels Designed for Extreme Wear and Durability

ResinDek[®] flooring panels are custom manufactured with engineering processes which enhance the functionality, durability and life of the floor. Backed by a 10-year product warranty, ResinDek panels have proven structural integrity that supports live and dead load limits from 2,000 – 8,000 lbs.

ResinDek with MetaGard flooring panels combine the structural integrity of a ResinDek panel along with the strength and durability of a steel wearing surface. The MetaGard steel surface is fused to the ResinDek panel with a proprietary bonding agent and features an edge that encapsulates the perimeter of the panel. This creates a floor that will not delaminate, has superior physical properties, is level for rolling loads, and has no sharp edges that could cut or snag objects passing over it.



ResinDek with MetaGard has been tested per ASTM D2047 standards and has been found to meet or exceed OSHA specification for slip resistance. The MetaGard finish has electrostatic dissipative properties which protect sensitive electronic equipment from damage. ResinDek with MetaGard is available in galvanized or stainless steel. Other steel variations may be available to fit your particular application.

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ResinDek with MetaGard Steel Surface Provides Iron Clad Flooring Protection for:

- **Automated Guided Vehicles**
ResinDek with MetaGard can withstand millions of passes and high volumes of heavy loads exerted by modern robotic vehicles continuously moving around a warehouse.
- **Drop Zones and Heavy Wear Areas**
ResinDek flooring panels with MetaGard can withstand the daily abuse associated with drop zones, extreme heavy wear or high traffic areas.
- **Aggressive Rolling and Dragging Areas**
ResinDek panels with the MetaGard surface helps minimize wear caused by dragging or pushing pallet jacks and totes across the floor. It's the perfect solution for pallet and case flow modules.
- **Dirty Process Areas**
If debris or process area dirt is a problem, MetaGard's tough steel surface will help minimize surface wear.

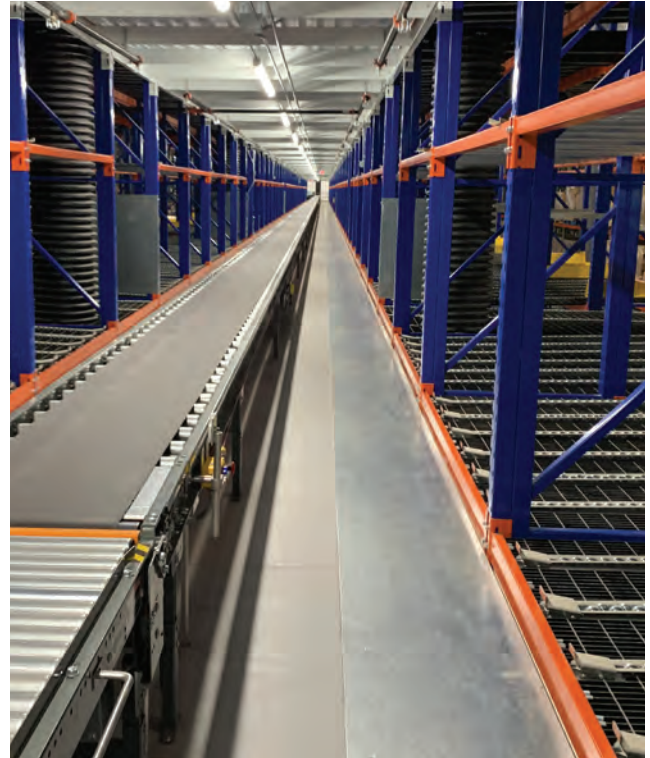


Systems Integrator Saved Time and Money Using ResinDek® with MetaGard®

Kuecker Logistics Group designed and equipped a new 655,000 sqft distribution center for a large retailer of closeout merchandise and excess inventory. The distribution facility includes full case pick modules equipped with a central conveyor on each level to transport the picked cases to a centralized merge point. Associates on each level of the four-level modules pick a variety of case sizes from pallets during a single shift. When empty pallets are removed from the pick positions, the associates slide them on their ends to designated pallet drop zones. When designing the distribution center, Chase Watt, Site Foreman and Project Manager for Kuecker Logistics Group, turned to Cornerstone Specialty Wood Products, LLC® for the pick module flooring.

“We’ve worked with Cornerstone and their ResinDek flooring panels for many years; it’s the best flooring product we’ve installed in pick modules, with high durability and fast installation time, and the best engineering services,” explains Watt.

To save time, money and provide a durable warranted product, Kuecker Logistics Group’s designed the pick modules’ three elevated levels with a combination of ResinDek with the Gray Diamond Seal® 2 finish and ResinDek with the MetaGard galvanized steel finish.



Systems Integrator's Success Story continued...

"Before Cornerstone developed the MetaGard finish, we would specify a second layer of steel to be applied on top of the flooring to protect it from the pallets as they're dragged across the surface. It's a common technique in the industry for extreme wear applications," Watt notes. "The disadvantage of that is it's essentially a second installation, which takes more time and adds to the materials and contractor costs. When we saw the new MetaGard finish on the ResinDek panels at a trade show, we knew we wanted to use it in our next project."

Watt had no problem convincing his customer of the many benefits of the ResinDek flooring, including high durability, non-slip surface, easy maintenance, a 10-year warranty, and light reflectivity that contributes to a brighter, safer work environment. Additionally, there is no difference in ResinDek panel thickness, whether the MetaGard finish is specified or not. This ensures a smooth, level flooring surface — unlike floors that have an additional layer of steel applied to high traffic areas, which can cause a trip hazard. But among the most appreciated advantages of the product are the free engineering services and support provided by Cornerstone Specialty Wood Products.

"I love the simplicity aspect of it," says Watt. "Also, Cornerstone gives you an exact drawing of your pick module and your floor layout showing precisely which ResinDek panel goes where. Panels that need to be field cut are clearly marked with instructions about which end should be trimmed. It's essentially a turnkey design that is very easy for a contractor to install quickly; they know the installation is not going to be a headache, and that saves both time and cost."

Further, because the installers Watt used to install the ResinDek panels had not worked with the MetaGard finish before, Cornerstone sent a team to train the contractors for two days to ensure the flooring was installed properly. *"That's unbelievable satisfaction from a customer service standpoint. I think it's the best flooring product in the industry," Watt concludes.*

Why Choose ResinDek® with MetaGard®?

- **Installation is Faster and Easier**
ResinDek with MetaGard eliminates the need to install additional steel plates in heavy wear areas, saving time and money.
- **No Trip Spots**
ResinDek with MetaGard provides a smooth panel to panel transition between ResinDek and ResinDek with MetaGard, unlike floors that have an additional layer of steel applied which can cause a trip hazard.
- **Cost Savings**
ResinDek panels with the MetaGard surface is less expensive than diamond plate, bar grate and concrete.
- **Improved Noise Abatement**
The MetaGard surface is smooth unlike the textured panel of diamond steel plate surface.
- **10-Year Product Warranty**
ResinDek with MetaGard is backed by a 10-year product warranty. In addition, the galvanized finish protects against corrosion.



Evaluation Report

ResinDek flooring panels have been independently evaluated and approved for use in Types I-V construction as part of a fire-resistance rated assembly by the IAPMO Uniform Evaluation Services. United States ER Number 467. Canada ER Number UEL 5027.

ResinDek® with MetaGard® Flooring Has Advantages Over Elevated Concrete Flooring

- **Lighter Than Concrete**
ResinDek panels are 85 - 90% lighter than concrete which allows for less steel to be used in the support structure and reduced footings.
- **Greater Allowable Deflection**
Platforms using ResinDek can be designed with an allowable deflection limit of L/240, whereas concrete's allowable deflection is limited to L/360: this reduces the amount of steel required in the support structure.
- **Factory Finish**
Concrete needs time to cure, ResinDek is supplied with a factory finish, so once ResinDek is installed it's done.
- **Low Maintenance**
ResinDek panels do not produce dust or require sealing like concrete does.
- **Better Wear**
In testing, ResinDek with MetaGard has been shown to be five times more abrasion resistant than concrete in heavily trafficked areas where dirt and debris are not routinely removed, such as 24/7 operations.
- **Extremely Durable**
ResinDek with MetaGard's steel surface is extremely resistant to gouges.



10-Year Product Warranty

Cornerstone Specialty Wood Products, LLC® warrants all ResinDek panels to be structurally sound, able to safely carry the specified design loads, and free from defect.

ResinDek® with MetaGard®

ResinDek panels with the MetaGard surface are custom manufactured in sizes up to 4' x 8'. ResinDek tongue and groove configurations promote effective panel to panel wheel load transfers. When required, tongue and groove configurations are available on all 4 sides.

| ResinDek® Flooring Panel | Rated Pallet Jack Load Capacity (lbs) |
|------------------------------------|---------------------------------------|
| ResinDek® LD with MetaGard® | 2,500 |
| ResinDek® SD with MetaGard® | 3,000 |
| ResinDek® MD with MetaGard® | 3,500 |
| ResinDek® HD with MetaGard® | 4,500 |
| ResinDek® Xspan® with MetaGard® | 2,300 at 32" O.C. |
| ResinDek® Xspan® FR with MetaGard® | 3,000 at 32" O.C. |



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In our continuing effort to improve our products, some specifications or descriptions may change. We reserve the right to make such changes without notice or recourse.