

ResinDek® HD Product Description

ResinDek HD is the densest of all ResinDek flooring panels and is engineered for heavy equipment, rolling pallet jacks, AGVs and AMRs. ResinDek HD is manufactured with mostly recycled and recovered wood fibers, environmentally friendly resins with no added urea formaldehyde, and a wax emulsifier for moisture resistance. The ingredients are combined and compressed under extremely high pressure and temperature, resulting in a panel with superior physical properties.

Composite engineered ResinDek flooring panels are custom manufactured and available in sizes up to 1206 mm x 3048 mm. Each panel features a tongue-and-groove configuration that effectively promotes panel to panel wheel load transfer. When required, tongue-and-groove configurations are available on all 4 sides or with square edges.

SCS Global Certifications, LEED® and FSC®

ResinDek HD panels are certified to have No Added Formaldehyde and conforms to SCS Recycled Content Standard V7-0. ResinDek panels can contribute towards earning points for LEED® qualified buildings. When required ResinDek panels are available with FSC® Certification. FSC® License Code FSC-C124474.

Flame Spread Index

When tested in accordance with ASTM E84, the ResinDek panels plus the corrugated metal deck assembly meet Class A criteria for an interior finish.

Uniform Evaluation Service Report

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

UL Classification

ResinDek® flooring system can be UL Classified for up to a 2 hour fire rated assembly under UL Design No. L701 and UL File No. R39265.

ResinDek® HD Specifications

Manufactured by Cornerstone Specialty Wood Products, LLC®, ResinDek HD panels shall be 19 mm thick and support pallet jack rolling loads up to 2,045 kgs and AGV and AMR rolling loads up to 1,815 kgs with 1.2 mm B-Deck. A single panel solution without B-Deck is available for use with AMRs only and shall support AMR rolling loads up to 230 kgs with 6.1 kN/m² uniform loads at 600 mm center supports. The recommended finish shall be determined based upon the type and volume of traffic traveling on the floor. **For detailed ResinDek HD Master Specifications please email or call Cornerstone Specialty Wood Products.**

ResinDek® HD Quick Specs

Panel Thickness: 19 mm

Panel Weight: 18.6 kg/m² or 25.4kg/m² with MetaGard® finish

Pallet Jack & Product Load Limits

- Pallet jack rolling loads up to 2,045 kgs with 1.2 mm B-Deck

Mobile Robot & Product Load Limits

- AGV & AMR rolling loads up to 1,815 kgs with 1.2 mm B-Deck. Contact Pressure is 8.3 MPa
- Single Panel Solution (No Corrugated B-Deck) AMR rolling loads only: up to 230 kgs with 6.1 kN/m² uniform loads at 600 mm center supports with contact pressure of 3.4 MPa. Or up to 345 kgs with 10.9 kN/m² uniform loads at 400 mm center supports with contact pressure of 5.2 MPa.

Available Finishes

For Heavy Equipment, Storage, Rolling Carts & Pallet Jacks

- Gray Diamond Seal® Coating
- Gray Diamond Seal® ESD Coating
- MetaGard® GVT Steel Decking Surface
- Unfinished (UF)

For AGV & AMR Robotic Traffic

- TriGard® ESD Coating
- TriGard® ESD Ultra Coating
- MetaGard® SST Steel Decking Surface

ResinDek® Options

- Invisi-Loc® Underside Fasteners
- Collated Screws
- Custom Tongue & Groove Configurations
- Available in sizes up to 1206 mm x 3048 mm (ResinDek with MetaGard max size is 1206 mm x 2438 mm)

Our Services

- CAD drawings that optimize materials
- Pre-job planning and on-site consultations
- Installation support for training
- Logistics support to coordinate deliveries
- Cut to size panels
- Custom testing for specific applications

10-Year Product Warranty

Cornerstone Specialty Wood Products, LLC® hereby warrants ResinDek HD panels to be free from defect, structurally sound, and able to safely carry the specified design loads. The warranty will flow through and transfer to the end user for the entire period of the warranty.