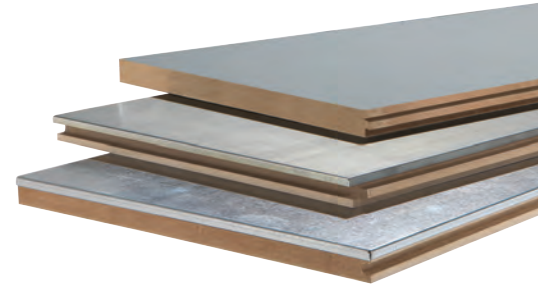


ResinDek® composite engineered wood flooring panels are manufactured with specially sorted and processed wood fibers, customized formaldehyde free resins, and a wax emulsifier. The ingredients are combined and compressed under extremely high pressure and temperature, resulting in a panel with superior physical properties. ResinDek panels with TriGard® ESD are available in sizes up to 4' x 10' and ResinDek with MetaGard® SST are available in sizes up to 4' x 8'. When required tongue and groove configuration is available on all 4 sides.



ResinDek 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. All ResinDek panels are certified to have No Added Formaldehyde and can contribute towards earning points for LEED® qualified buildings. When required ResinDek panels are available with FSC® Certification. FSC® License Code FSC-C124474.

Description	Reference Standard	Test Procedure	Gray Diamond Seal® 2 ESD	RECOMMENDED FOR ROBOTICS	
				TriGard® ESD	MetaGard® SST
Coefficient of Friction: BOT 3000E	ASTM A326.3	Neolite sensor has material that is 95+/-3 Shore A	Avg Dry: 0.50 Avg Wet: 0.33	Avg Dry: 0.62 Avg Wet: 0.28	Avg Dry: 0.77 Avg Wet: 0.68
Taber Abrasion	ASTM D4060	180 grit aluminum oxide sand paper replaced every 500 cycles with 1 kg of weight	Wear Rating: 2,000 cycles	Wear Rating: 6,000 cycles	Wear Rating: >50,000 cycles
Gouge Resistance	ASTM D2197	Tested with weights ranging from 1kg to 10.5kgs	Failure: 5 kgs	Failure: 8 kgs	No Failure
Gloss, 85 deg	ASTM D523	Tested with glossmeter geometries of 85°	20 GRUs	7 GRUs	8 GRUs

COEFFICIENT OF FRICTION BOT 3000

ASTM A326.3

Dynamic Coefficient of Friction Test measurement provided in this standard is an evaluation of a hard surface flooring material under known conditions using a standardized sensor material prepared according to a specific protocol. As such it can provide a useful comparison of surfaces, but it does not predict the likelihood a person will or will not slip on a hard surface flooring material.

GOUGE

ASTM D2197

Test method covers the determination of the adhesion of organic coatings such as paint, varnish, and lacquer when applied to smooth, flat (planar) panel surfaces.

TABER ABRASION

ASTM D4060

Test method covers the determination of the resistance of organic coatings to abrasion produced by the Taber abrader on coating applied to a plane, rigid surface, such as a metal panel. Taber abrasion is a method used to determine the ability of a material to withstand wear. Taber abrasion is evaluated using what is known as a Taber abrasion test or Tabor abrader. Taber abrasion uses two abrasive wheels that the material being evaluated is rotated underneath for a given time and under a given load.

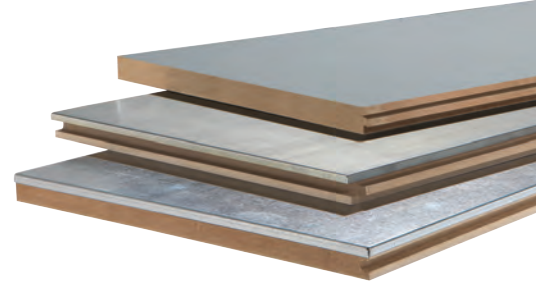
GLOSS

ASTM D523

Test method covers the measurement of the specular gloss of nonmetallic specimens for glossmeter of 20°, 60°, and 85°.

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ResinDek® Flooring Panels for AGVs & AMRs For use with Corrugated B-Deck				
Product Name	Robot & Product Load Limits	Maximum Contact Pressure	Robot Load Type	B-Deck Gauge
ResinDek® LD Panel Thickness: 3/4"	up to 500 lbs.	500 psi	AMR	20ga.
ResinDek® MD Panel Thickness: 3/4"	up to 2,000 lbs. up to 3,000 lbs.	750 psi 1,000 psi	AMR, AGV AMR, AGV	20ga. 18ga.
ResinDek® HD Panel Thickness: 3/4"	up to 4,000 lbs.	1,200 psi	AMR, AGV	18ga.
ResinDek® MAX Panel Thickness: 1-1/2"	up to 6,000 lbs.	1,500 psi	AMR, AGV	18ga.

NOTES:

- Testing was completed with polyurethane caster wheels and any deviation or alternative wheels such as crowned, steel or plastic could void the warranty. Contact CSWP for more information.
- Contact pressure values are to be used as a guide. Please consult factory for specific robot usage.
- Please note load values above are calculated on 36" beam spacing, increased spacing will reduce capacity. Floor Deflection is L/240.

ResinDek® Flooring Panels for AGVs & AMRs Single Panel Solution - No Corrugated B-Deck Required					
Product Name	Beam Spacing	Beam Spacing			
		16"	24"	32"	40"
ResinDek® HD Panel Thickness: 3/4" <i>For AMRs only</i>	Uniform Loads (lbs/ft²) **	225	125		
	Total Robot & Product Load (lbs) **	750	500		
	Contact Pressure (psi) *	750	500		
ResinDek® Xspan Panel Thickness: 1-1/8"	Uniform Loads (lbs/ft²) **	375	225	125	
	Total Robot & Product Load (lbs) **	2500	2,000	1,500	
	Contact Pressure (psi) *	900	750	600	
ResinDek® Xspan FR Panel Thickness: 1-1/8"	Uniform Loads (lbs/ft²) **	450	350	275	175
	Total Robot & Product Load (lbs) **	3,500	3,000	2,500	1,500
	Contact Pressure (psi) *	1,250	1,000	900	600

NOTES:

- Testing was completed with polyurethane caster wheels and any deviation or alternative wheels such as crowned, steel or plastic could void the warranty. Contact CSWP for more information.
- Contact pressure values are to be used as a guide. Please consult factory for specific robot usage.
- 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.