

							Material Handling Finishes			Robotics Finishes	
Product Name (B Deck Gauge)	Pallet Jack & Product Load Limits	Robot & Product Load Limits	Maximum Robot Contact Pressure	Thickness	Weight PSF (kg/m²)		UF	Gray Diamond Seal® or ESD	MetaGard® GVT	TriGard® ESD or ESD Ultra	MetaGard® SST
					ResinDek®	ResinDek® with MetaGard®					
ResinDek® LD (20ga/0.9mm) ¹	up to 2,000 lbs/910 kg	up to 500 lbs/230 kg	500 psi/3.4 MPa	3/4"/19mm	2.8 (13.7)	4.2 (20.5)	✓	✓	✓	✓	✓
ResinDek® MD (20ga/0.9mm) ResinDek® MD (18ga/1.2mm)	up to 2,500 lbs/1,135 kg up to 3,500 lbs/1,590 kg	up to 2,000 lbs/910 kg up to 3,000 lbs/1,365 kg	750 psi/5.2 MPa 1,000 psi/6.9 MPa	3/4"/19mm	3.5 (16.6)	4.9 (23.9)	✓	✓	✓	✓	✓
ResinDek® HD (18ga/1.2mm) ResinDek® HD - B Deck Not Required ^{1,2}	up to 4,500 lbs/2,045 kg N/A	up to 4,000 lbs/1,815 kg up to 750 lbs/345 kg	1,200 psi/8.3 MPa 750 psi/5.2 MPa	3/4"/19mm	3.8 (18.6)	5.2 (25.4)	✓	✓	✓	✓	✓
ResinDek® WR (20ga/0.9mm) ¹	up to 2,000 lbs/910 kg	up to 500 lbs/230 kg	500 psi/3.4 MPa	3/4"/19mm	2.8 (13.7)	N/A	✓	✓	N/A	✓	N/A
ResinDek® MAX (18ga/1.2mm)	up to 8,000 lbs/3,360 kg	up to 6,000 lbs/2,725 kg	1,500 psi/10.3 MPa	1-1/2"/38mm	7.6 (37.1)	N/A	✓	✓	✓	✓	✓
ResinDek® Xspan® B Deck Not Required ³	up to 3,000 lbs/1,365 kg	up to 2,500 lbs/1,135 kg	900 psi/6.2 MPa	1-1/8"/28mm	5.2 (25.4)	6.6 (32.3)	✓	✓	✓	✓	✓
ResinDek® Xspan® FR B Deck Not Required ³	up to 3,000 lbs/1,365 kg	up to 2,500 lbs/1,135 kg	900 psi/6.2 MPa	1-1/8"/28mm	5.2 (25.4)	6.6 (32.3)	✓	✓	✓	✓	✓
ResinDek® ReShield™ - No B Deck ⁴	up to 3,500 lbs/1,590 kg	up to 3,000 lbs/1,365 kg	1,000 psi/6.9 MPa	1/4"/ 6mm	1.09 (5.3)	N/A	N/A	✓	N/A	✓	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"/406mm center supports
- ³ ResinDek Xspan and Xspan FR load values above are calculated with 375 psf uniform loads at 16"/406mm center supports
- ⁴ ResinDek ReShield allowable loads are dependent upon the substrate that it is being installed on

- For flooring used with corrugated B Deck: Please note load values above are calculated on 36"/914mm beam spacing, increased spacing will increase deflection and/or decrease capacity.
- 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. The calculations and load tables to the left have been compiled based on specified calculation methods and assumptions. The loads provided are for the purpose of information for preliminary studies and can not be used as a reference in structural studies. Contact an accredited engineering office or architect to perform a complete stability analysis.