

RIGID CORE FLOORING

Rigid Core Vantage™

Product Information

Construction - Rigid Core

Product Line - Rigid Core Vantage™

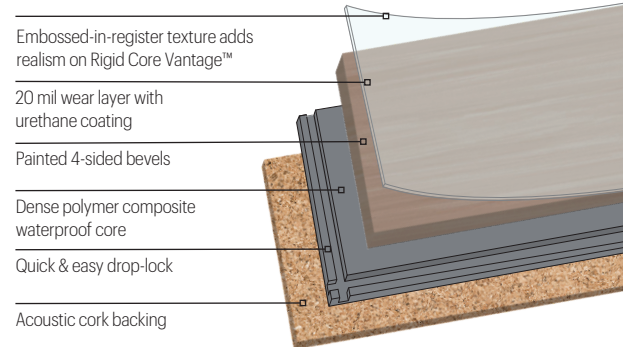
International Specifications - ASTM F3261, Class I, Type B, Grade 1, Backing Class B

Overall Thickness - 0.236" (6 mm)

Wear Layer Thickness - 20 mil (0.5 mm)

Factory Finish - Urethane

Installation - Drop-lock or S-288 full spread



Packaging

Tile Sizes

7" x 60" (177.8 mm x 1,524 mm)
9" x 60" (225 mm x 1,524 mm)

Tiles per Carton/Coverage

7" x 60" - 6 (17.5 sq ft) 1.62 m²
9" x 60" - 6 (21.1 sq ft) 2.05 m²

Shipping Weight per Carton

34.26 lbs. (15.54 kg)
43.35 lbs. (19.66 kg)

Testing

Performance	Test Method	Requirement	Performance vs. Requirement
Thickness	ASTM F387	As specified ±0.008" (0.20 mm)	253 mils +/-0.008"
Wear Layer Thickness	ASTM F410	0.020" (0.5 mm) minimum for Commercial Use	Meets
Size	ASTM F2055 ISO 24337	± 0.016" per linear foot	Meets
Squareness	ASTM F2055	0.010" maximum	Meets
Flatness - Max	ISO 24337	Fw ± 0.008 in. (0.2mm) for planks or tiles ≤ 9" (229 mm) wide Fw concave ≤ 0.15% / Fw convex ≤ 0.20% for all other widths Fl concave ≤ 0.50% / Fl convex ≤ 1.00%	Meets
Openings, Avg / Max	ISO 24337	Oavg ≤ 0.004" (0.1 mm) / OM ≤ 0.008" (0.2 mm)	Meets
Ledging, Avg / Max	ISO 24337	Havg ≤ 0.004" (0.1 mm) / HM ≤ 0.006" (0.15 mm)	Meets
Residual Indentation	ASTM F1914	Avg. ≤ 0.007" (0.18 mm)	Meets
Surface Integrity	ASTM F1914	No puncture thru wear layer/décor in to rigid core	Meets
Dimensional Stability	ASTM F2199 ISO 23999	0.2% per lin. ft (305 mm)	Meets
Curl	ASTM F2199 ISO 239999	Max 0.080" (2 mm)	Meets
Resistance to Heat	ASTM F1514	ΔE < 8 avg., max	Meets
Resistance to Light	ASTM F1515	ΔE < 8 avg., max	Pass, Class 4 Heavy Commercial
Castor Wheel	EN 425	25,000 cycles - No effect	Exceeds; meets 35,000 cycles (NALFA 3.9 Heavy Commercial)
Static Load Resistance @ 250	ASTM F970	≤ 0.005"	Meets
Additional Testing			
Static Load Resistance	ASTM F970** ASTM F387	≤ 0.005"	1450 psi
Fire Test Data – Flame Spread	ASTM E648	0.45 W/cm2 or more Class 1	Pass
Fire Test Data – Canada	CAN/ULC S-102.2	Use dependent	Flame Spread -15 Smoke Developed - 215
Static Coefficient of Friction*	ASTM D2047/UL 410	≥ 0.5	Meets

Additional Testing Continued

Acoustics	ASTM E492 (IIC) ASTM E90 (STC) ASTM E2179 (DELTA IIC)	International Building Code (IIC ≥50) International Building Code (STC ≥50) Sound Transmission Reduction	6" concrete, no ceiling with S-1840 Quiet Comfort Luxury Flooring Underlayment IIC - 50 STC - 50 Delta IIC - 21
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Sustainability

WELL v1 Feature

	Feature	Vantage	Contribution
Air	Feature 04 - VOC Reduction	✓	Tested and third party certified by FloorScore as complying with CDPH v1.2
	Feature 11 - Fundamental Material Safety	✓	Product is free of asbestos and added lead (Part 1)
	Feature 25 - Toxic Material Reduction	✓	Free of flame retardants (Part 2) and phthalates (Part 3)
Mind	Feature 88 (Part 2) Biophilia I - Qualitative	✓	Products available that incorporate nature patterns
	Feature 99 - Beauty and Design II	✓	Patterns and colors to aid in wayfinding and spatial familiarity (Part 3)

WELL v2 Feature

	Feature	Vantage	Contribution
Materials	Feature X01.1 Material Restrictions	✓	Product is free of asbestos
	Feature X05.1 Enhanced Material Restrictions	✓	Free of flame retardants (Part 2) and phthalates (Part 3)
	Feature X06.1 VOC Restrictions	✓	Adhesives associated with product are tested and third party certified by FloorScore as complying with CDPH v1.2
	Feature X06.2 VOC Restrictions	✓	Flooring is tested and third party certified by FloorScore as complying with CDPH v1.2
	Feature X14 Material Transparency	✓	Readily available Health Product Declaration (HPD) to 1000 ppm
	Mind	Feature M02.1 Nature and Place	✓
Community	Feature C13 (Part 2) Accessibility and Universal Design	✓	Patterns and colors to aid in wayfinding and spatial familiarity

LEED™ v4.1

	Vantage
BPDO - EPD	Industry Average
Location of Manufacturer	China
Low Emitting Flooring	Tested and third party certified by FloorScore as complying with CDPH v1.2
Low Emitting Adhesives	Tested and compliant to CDPH v1.2; Methylene Chloride and Perchloroethylene not intentionally added; FloorScore Certified
SCAQMD #1168 Compliant	
Adhesives meet >50 g/L requirement	S-288 Exceeds - 14 g/L

Limited Warranty

15-year Commercial Warranty when installed in strict accordance with the detailed instructions.

Visit ArmstrongFlooring.com

for complete Product, Technical, Adhesives, Installation & Maintenance recommendations.

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* Using the James Machine as described in D2047 and as directed in UL 410 for floor covering materials (FCM) using a leather foot under dry conditions. The application of site-applied floor sealers, polishes and other types of finishes routinely used to maintain resilient flooring materials will change the walking surface and consequently the SCOF value. ** Testing at loads above 250 psi is outside the scope of the test method. Since testing is conducted on uninstalled flooring, results do not consider the performance of the adhesive, underlayment, or subfloor. These test results are not an indicator of the installed flooring system performance.

