

PRODUCT SPEC PAGE

Rigid Core Elements™

Rigid Core Flooring

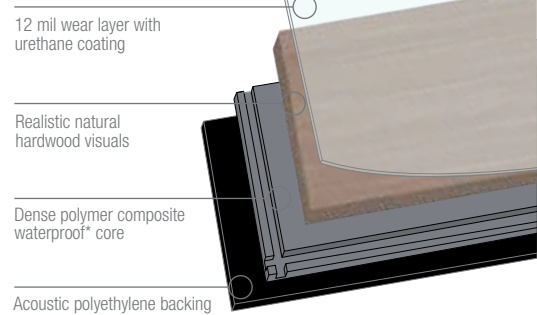
Product Information

Construction	Product Line	International Product Specifications	Overall Thickness Wear Layer Thickness	Factory Finish	Installation	Maintenance Options
Rigid Polymeric Core Modular Resilient Flooring	Rigid Core Elements	ASTM F 3261, Class I, Type B, Grade 1, Backing Class B	0.20 in. (5mm) 4mm rigid polymer core & 1mm underlayment 0.012 in. (0.3 mm)	UV-cured Polyurethane	Floating Full Spread Adhesives S-288 Premium	No Polish - No Buff Polish

Packaging

Tile Sizes	Tiles per Carton/ Coverage	Shipping Weight per Carton
6 in. x 48 in. (152.4 mm x 1219.2 mm)	14 – 26.32 ft ² (2.45 m ²)	44.65 lbs./carton (4.15 kg)
7 in. x 48 in. (177.8 mm x 1219.2 mm)	11 – 25.28 ft ² (2.35 m ²)	42.88 lbs./carton (3.98 kg)

Product Structure



Testing

	Performance	Test Method	Requirement	Performance vs. Requirement
ASTM F 3261	Thickness, product without foam thickness	ASTM F 387	as specified ±0.005 in. (0.13 mm)	Meets
	With foam back layer		as specified ±0.008 in. (0.20 mm)	
	Size, tolerance - Up to 12 in. Plank length ≥24 in. < 48 in.	ASTM F 2055 ISO 24337 - Plank	±0.016 in. (0.40mm) ±0.060 in. (1.5 mm)	Meets
	Squareness	ASTM F 2055	0.010 in. (0.25 mm) maximum	Meets
	Residual Indentation	ASTM F 1914	avg. ≤0.007 in. (0.18 mm)	Meets
	Chemical Resistance	ASTM F 925	No more than slight change in surface dulling, attack or staining	Meets
	Resistance to Heat	ASTM F 1514	ΔE < 8 avg., max.	Meets
Resistance to Light	ASTM F 1515	ΔE < 8 avg., max.	Meets	
Additional Testing	Static Load Limit	ASTM F 970	Max. loading: 250 psi (1.72 MPa) max. residual indent: 0.005 in. (0.13 mm)	Meets
	Dimensional Stability	ASTM F3261	0.2 % / lineal ft (305 mm) max	Meets
		Internal	≤ 0.018 in. per linear foot MD ≤ 0.012 in. per linear foot AMD	
	Fire Test Data – Flame Spread	ASTM E 648	0.45 w/cm ² or more Class I	Meets
	Fire Test Data – Smoke Evolution	ASTM E 662	450 or less	Meets
	ADA Standards for Accessible Design	Chapter 3 Section 302.1	Floor surfaces shall be stable, firm and slip resistant	Meets
	Static Coefficient of Friction*	ASTM D2047 / UL 410	≥0.5	Meets

* Using the James Machine as described in ASTM 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.

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Sustainability and Well-Being

Certification Attribute	Standard	3rd party Certification/Certifier
Low Emitting Material	CDPH v1.1 (2017) a.k.a CHPS 01350	FloorScore/SCS

Performance	Standard	Requirements	Performance vs. Requirements
TVOC Range	CDPH v1.1 (2017) a.k.a CHPS 01350	<0.5 mg/m³	Meets
Low Emitting Adhesives S-288	FloorScore®/SCAQMD	Less than 50 g/L	S-288 Exceeds - 14 g/L
Fundamental Material Safety Toxic Materials Reduction	WELL® Feature 11 and 25	No asbestos, free of lead and phthalates (DEHP, DBP, BBP, DIDP, DNOP)	Meets
Acoustics	ASTM E2179	Sound transmission reduction	Meets Delta IIC (ΔIIC) – 21
IBC	ASTM E492	50 IIC	Exceeds IIC (64 on 6" concrete)
IBC	ASTM E90	50 STC	Exceeds STC (63 on 6" concrete)

Limited Warranty

7-year Commercial Warranty when installed in accordance with the current edition of the Armstrong Flooring Guaranteed Installation Systems manual (F-5061)

ArmstrongFlooring.com/commercial | 1 888 276 7876



LEED® Eligible EQ - Low Emitting Materials Credit
Crédit admissible LEED® EQ - Matériaux à faibles émissions

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