

# TECHNICAL INFORMATION & SPECIFICATIONS

## ENCORE XL

## 5MM

## RIGID FLOORING COLLECTION

### PRODUCT INFORMATION

<b>CONSTRUCTION</b>	PP with Natural Mineral Filler	Homogenous Core
<b>THICKNESS</b>	5 mm nominal (4 + 1)	1mm Attached Pad (Extruded Polyolefin)
<b>PLANK DIMENSIONS</b>	1290 mm x 246 mm	50.79" x 9.69"
<b>PLANKS PER CARTON / SF</b>	8 planks per carton	27.33 SF per Carton
<b>EDGE DETAIL</b>	Micro-Bevel	4V
<b>SURFACE FINISH</b>	Structured Matt / Structured	15 Unique Planks
<b>INSTALLATION SYSTEM</b>	Glueless click	Angle - Angle (easyloc)
<b>WEIGHT PER CARTON</b>	Approx. 17 kg	Approx. 37 lbs
<b>LIMITED WARRANTY</b>	Lifetime Residential	10 Year Commercial
<b>COUNTRY OF MANUFACTURE</b>	Germany	

### STANDARDS - MANUFACTURING & USAGE

	Performance	Test Method	Requirements
<b>EN 16511</b>	Geometric properties	ISO 24337	Requirements Fulfilled, width, thickness, length, flatness
	Abrasion resistance	EN 15468	Exceeds requirements, ≥ 3000 Cycles (AC4)
	Resistance against impact	EN 13329	Meets requirements, Big ball ≥ 1200 mm
	Microscratch resistance	EN 16094	Meets requirements, ≤ MSR-A2
	Effect of a castor chair	EN 425	Meets requirements, no visible change/damages 25,000 cycles
	Effect of a furniture leg	EN ISO 16581	Meets requirements, no visible change/damages
	Determination of static indentation	EN ISO 24343	Exceeds requirements, 0.11 mm
	Resistance against staining	EN 438-2	Exceeds requirements, Grade 5 for Groups 1, 2 & 3
	Locking strength	ISO 24334	Exceeds requirements, Long side > 5 kN/m Short side > 5 kN/m
	Dimensional stability	EN ISO 23999	Exceeds requirements, Length 0.1% / Width 0.1%
Antibacterial	ISO 22196	Pass, Strong Antibacterial Activity	
<b>ASTM F3261</b>	Size, tol. ≥24 in. ≤48 in.	ISO 24337 - Tile, Plank	Meets and/or Exceeds
	Size, tol. ≥48 in.	ISO 24337 - Plank	Meets and/or Exceeds
	Thickness	ASTM F387	Meets and/or Exceeds
	Squareness	ISO 24337	Meets and/or Exceeds
	Flatness, max, inches (width & length)	ISO 24337	Meets and/or Exceeds
	Openings, avg / max, mm	ISO 24337	Meets and/or Exceeds
	Ledging, avg / max, mm	ISO 24337	Meets and/or Exceeds
	Residual indentation, in.	ASTM F1914	Exceeds requirements, 0.002 inch @ 75 lbs
	Surface integrity	ASTM F1914	Meets and/or Exceeds @ 140 lbs
	Dimensional stability	ISO 23999 / F2199	Exceeds requirements, Length 0.1% / Width 0.1%
	Curl, inches	ISO 23999 / F2199	Exceeds requirements, 1 mm
	Resistance to chemicals	ASTM F925	Exceeds requirements, "0 - No Change"
	Resistance to heat	ASTM F1514	Exceeds requirements, Delta E Rating (ΔE) < 0.5
	Resistance to light	ASTM F1515	Exceeds requirements, Delta E (ΔE) Rating < 1.5
Static Load	ASTM F970	Exceeds requirements, 800 psi 0.005" (0.13mm)	

**SUSTAINABILITY - GREENGUARD Gold Certified.** This Standard includes health-based criteria to ensure that products are acceptable for use in environments such as schools and health care facilities. In addition to limiting emissions of more than 360 VOCs and total chemical emissions, comply with requirements of the state of California Department of Public Health (CDPH) Standard Method for the Testing and Evaluation of VOC Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010) (also known as California Section 01350 or CDPH v.1.1-2010)

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	Performance	Test Method	Measure
SUPPLEMENTARY	R-value / Thermal Resistance	EN 12667	0.031 (m <sup>2</sup> K) / W
	Surface Bond	NALFA 3.10	Exceeds requirements, 1.94 N/mm <sup>2</sup>
	Deflection	ASTM F1304	Meets and/or Exceeds
	Static Propensity (Step & Scuff)	AATCC 134	Maximum Average 3.6 kv Negative
	Slip resistance	EN 13893	μ = 0.40 class DS according to EN 14342
		ANSI / NFSI B101.3	≥ 0.35 DCOF Wet
		ASTM D2047 (leather dry)	≥ 0.5 SCOF Dry avg.
	Resistance to Fungi	ASTM G21	Rating 0 (Weeks 1-4 No Fungal Growth)
	Heavy Metals - Sb, As, Ba, Cd, Cr, Hg, Pb, Se	EN 15102 to DIN EN 71-3 and DIN EN 12149	Passes, Very Low or Not Detectable
	Flammability	ASTM D2859	Passes, (face side)
Smoke density	ASTM E662	Passes, 42 Flaming / 333 Non-flaming	
Critical radiant flux	ASTM E648	Passes, > 0.45 W/cm <sup>2</sup> / Class I	
SOUND	Sound Transmission Class (STC)	ASTM E90 & E413, 6" Conc. Slab 8" Conc. Slab w/Drop Ceiling	Sound transmission class STC 50 dB Sound transmission class STC 62 dB
	Impact Insulation Class (IIC)	ASTM E492 & E989, 6" Conc. Slab 8" Conc. Slab w/Drop Ceiling	Impact insulation class IIC 57 dB High-Frequency Impact insulation class HIIC 61 dB Impact insulation class IIC 73 dB High-Frequency Impact insulation class HIIC 91 dB
	Delta Impact Insulation Class (ΔIIC)	ASTM E2179	Delta impact insulation class ΔIIC 25 dB Delta High-Frequency impact insulation class ΔHIIC 32 dB

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**Note:** This edition replaces all previous versions.

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