

TECHNICAL INFORMATION & SPECIFICATIONS

MOTIF

12 mm

LAMINATE FLOORING COLLECTION

PRODUCT INFORMATION

TOTAL PLANK THICKNESS	12 mm (10+2)	2 mm XPS Non-cross-linked polystyrene foam (PS)
JOINT / WEAR	Megaloc Aqua Protect	Wear Rating AC5
CORE MATERIAL	High Density Fibreboard (HDF)	Pine
PLANK DIMENSIONS	50.59" x 7.56"	1285 mm x 192 mm
PLANKS PER CARTON	6 planks, 15.934 SF	1.803 m ² per carton
WARRANTY	Lifetime Residential	7 Years Commercial
CERTIFICATION	Greenguard Gold	Blue Angel, ECO institut
COUNTRY OF MANUFACTURE	Germany	

STANDARDS - MANUFACTURING & USAGE

	Performance	Test Method	Measure
	Usage & Certification Level	NALFA/ANSI LF-01	Commercial, Certification Level 3 *
	Static Load (indentation)	NALFA 3.1	≥ 8MPa (1160psi)
	Thickness Swell	NALFA 3.2	≤ 16%
	Light Resistance	NALFA 3.3	No More than Slight Effect
	Cleanability/Stain Resistance	NALFA 3.4	Score < 20 No More Than Slight Effect
NALFA/ANSI LF-01	Large Ball Impact Resistance	NALFA 3.5	> 1,200 mm (47.3 in)
	Small Ball Impact Resistance	NALFA 3.6	> 350 mm (13.8 in)
	Wear Resistance	NALFA 3.7	≥ 4,000 cycles
	Dimensional Tolerances	NALFA 3.8	Meets and/or Exceeds
	Castor Chair Resistance	NALFA 3.9	≥ 25,000 cycles, No Effect
	Surface Bond	NALFA 3.10	1.25 N/mm ²
	Formaldehyde emission standards	NALFA 3.11	US EPA TSCA VI & CARB P2 TPC Certified Compliant
	Flatness, Max % width, Max % length	NALFA 3.12	Meets and/or Exceeds
	Openings, O Avg / O Max mm	NALFA 3.13	Meets and/or Exceeds
	Ledging, h Avg < mm, h Max < mm	NALFA 3.14	Meets and/or Exceeds
	Laminate Surface Swell Test	NALFA Laminate Surface Swell Test – Assembled Joint	Certified Water Resistant *
SUPPLEMENTARY	Thermal resistance	DIN EN 12667	0.15 (m ² K) / W
	Anti-Static resistance	EN 1815	≤ 2 kV
	Abrasion resistance	EN 13329 Annex E	Abrasion class AC5, ≥ 6,000 cycles
	Locking strength	ISO 24334	Long side: 3 kN/m Short side: 5 kN/m
	Antibacterial	ISO 22196	Certificate Antibacterial Activity / HD-843770-Z
	Slip resistance	ASTM D2047 (dry leather)	> 0.55 SCOF
		ASTM / ANSI B101.3	> 0.45 DCOF
	Smoke density	ASTM E662	Flaming 106, Non-flaming 50
	Critical radiant flux	ASTM E648	0.56 W/cm ² Class I
SOUND	Sound Transmission Class (STC)	ASTM E90 & E413, 6" Conc. Slab 6" Conc. Slab w/Drop Ceiling	Sound transmission class STC 50 dB Sound transmission class STC 63 dB
	Impact Insulation Class (IIC)	ASTM E492 & E989, 6" Conc. Slab 6" Conc. Slab w/Drop Ceiling	Impact insulation class IIC 53 dB High-Frequency Impact insulation class HIIC 54 dB Impact insulation class IIC 70 dB High-Frequency Impact insulation class HIIC 87 dB
	Delta Impact Insulation Class (ΔIIC)	ASTM E2179	Delta impact insulation class ΔIIC 22 dB Delta High-Frequency impact insulation class ΔHIIC 24 dB

* Classen MOTIF Collection is NALFA Certified Level 3 as well as Surface Swell, classifying the products as water resistant laminate flooring.