NOVAFLOOR®

Ellis | HDC

Technical Data Sheet

General Specifications

Overall Thickness:	5.0 mm
Underlayment Thickness:	1.0 mm IXPE Foam
Wear Layer Thickness:	0.3 mm (12 mil)
Product Type:	Angle-Drop Rigid Core Click
Dimensions :	7.2 in. x 48.03 in.
Finish:	UV-Cured Urethane
Surface:	Embossed w/ Microbevel
Residential Warranty:	Lifetime
Light Commercial Warranty:	10 Years
Carton Quantity:	10 Pieces (24.02 sq. ft.)
Carton Weight:	41.64 lbs.
Cartons / Pallet:	50

Technical Specifications

Product Construction Code:	VN HDC 5.0mm (0.3 wl, 1.0 IXPE, HX)
ASTM F3261 - Rigid Core Specification:	Class I, Type B, Backing Class B
ISO 24337 - Size & Squareness:	Passes, ± 1.5 mm size, ± 0.25 mm squareness
ASTM F387 - Thickness of Flooring w/ Foam Layer:	Passes, ± 0.2 mm
ASTM F410 (commercial ≥ 0.020 in.) / EN 24340 (± tolerance):	Passes, 0.020 in. (0.50 mm/20-mil)
ISO 24337 - Flatness:	Passes, ± 0.2 mm width, < 0.2% length
ISO 24337 - Joint Opening:	Passes, ≤ 0.2 mm
ISO 24337 - Joint Ledging:	Passes, ≤ 0.15 mm
ASTM F1914 - Residual Indentation:	Passes, ≤ 0.18 mm
ASTM F1914 - Surface Integrity:	Passes, no puncture
ISO 23999 - Dimensional Stability:	Passes, ≤ 0.2% / lin. ft.
ISO 23999 - Curl:	Passes, ≤ 2 mm
ASTM F925 - Chemical Resistance:	Passes ASTM F3621 requirements
ASTM F1514 - Resistance to Heat:	Passes, < ΔE 8
ASTM F1515 - Resistance to Light:	Passes, < ΔE 8
NALFA LF01 Section 3.2 - Thickness Swell :	Passes, < 5%
ASTM F970 - Static Load:	Passes, ≤ 0.13 mm indent, 250 lbs.
ASTM D2047 - Static Coefficient of Friction:	Passes, > 0.5 SCOF
ASTM E648 (NFPA 253) - Critical Radiant Flux:	Passes, Class 1, > 0.45 W/cm^2
ASTM E662 (NFPA 258) - Smoke Density:	Passes, < 450
ASTM E492 / E989 - Impact Insulation Class:	IIC 56*
ASTM E90 / E413 - Sound Transmission Class:	STC 53*
ASTM E2179 - Delta Impact Insulation Class:	ΔIIC 23*

**6 in. concrete, no drop ceiling*

Disclaimer: All unit values presented herein represent standard specification values. Values shown in parentheses are mathematical conversions provided solely for informational purposes and are not recognized as standard. Results were independently tested, using material from standard production, in accordance with product specific standard test methods. Physical and performance testing may vary, within tolerances, depending on the testing apparatus and/or production lot used. Be sure to use the most recently published versions of all reference documents, specifications, and test methods.