



**engineered luxury vinyl flooring**

Vision™ Technical Specifications

**Description:** Engineered Vinyl Composite (EVC) Floating Floor™

**Warranty:** 25 Year Limited Residential Wear Warranty  
Lifetime Waterproof Warranty  
Lifetime Structure Warranty  
5 Year Limited Light Commercial Wear Warranty

**Species:** Hybrid

**Installation:** Float – modified Drop Lock

**Size/Packaging:** 5" x 48"x 5.5 mm  
20.01 sq. ft./carton, 12 planks per carton, 29 lbs per carton  
49 ctns Per Pallet.

**Construction:** 1.5 mm LVT (12 mil Wear layer), 4 sided beveled edges  
4.0 mm Permacore\*  
850 kgs/m3 density

**Finish:** UV-cured finish with advanced abrasion resistance

**Flammability:** Passes "Life Safety Codes"

**Impact Sound Conduction:** ASTM E492-09: IIC 59db  
**Airborne Sound Conduction:** ASTM E90-09: STC 61db

**NALFA 3.2 Thickness Swell - Meets NALFA Specified Criteria for usage levels 1, 2, 3 & 4**

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
≤ 18%	≤ 16%	≤ 16%	≤ 12%

**NALFA 3.3 Xenon Light Resistance - Meets NALFA Specified usage levels 1, 2, 3 & 4**

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
slight effect	slight effect	slight effect	slight effect

**NALFA 3.4 Cleanability-Stain Resistance - Meets NALFA Specified usage levels 1, 2, 3 & 4**

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
<20 – No More than Slight Effect	<20 – No More than Slight Effect	<20 – No More than Slight Effect	<20 – No More than Slight Effect

**NALFA 3.5 Large Ball Impact Resistance – Meets NALFA Specified usage levels 1, 2, 3 & 4**  
 Maximum height to achieve fracture of surface layer (>1400 mm 55.2 inches)

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
>800 mm (31.5 inch)	> 1000 mm (39.4 inch)	> 1200 mm (47.3 inch)	> 1400 mm (55.1 inch)

**NALFA 3.7 Wear Resistance - Meets NALFA Specified usage levels 1, 2, 3 & 4**

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
≥ 1500 cycles	≥ 2000 cycles	≥ 4000 cycles	≥ 6000 cycles

**NALFA 3.8 Dimensional Tolerance - Meets NALFA Specified usage levels 1, 2, 3 & 4**

Dimension	Average	Result	NALFA Requirements for Class 1,2,3,4
Length	894.62 mm	0.12 mm	.50 mm (.020 inch)
Width	140.25 mm	0.13 mm	.20 mm (.008 inch)
Thickness	8.702 mm	0.10 mm	.50 mm (.020 inch)
Squareness	-	0.17 mm	.20 mm (.008 inch)
Straightness	-	0.25 mm	.30 mm (.012 inch)

**NALFA 3.9 Chair Resistance -- Meets NALFA Specified usage levels 1, 2, 3 & 4**

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
25,000 cycles no effect	25,000 cycles no effect	25,000 cycles no effect	35,000 cycles no effect

**NALFA 3.10 Surface Bond - Meets NALFA Specified usage levels 1, 2, 3 & 4**

Class 1 Residential	Class 2 Light Commercial	Class 3 Commercial	Class 4 Heavy Commercial
1 N/mm <sup>2</sup>	1.25 N/mm <sup>2</sup>	1.25 N/mm <sup>2</sup>	1.5 N/mm <sup>2</sup>

**ASTM C 1028-96 Static Coefficient of Friction = 0.68 (slip resistance) Passed.**

**ASTM F 963-08 Heavy Metal Analysis: exceeds and passed all requirements**

**Certifications: Meets E1 European Standard for Formaldehyde Emissions  
 CARB Compliant  
 Lacey Act Compliant**

Vision Hybrid Flooring™  
 Engineered Vinyl Composite (EVC) Floating Floor™  
 Permacore™