

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 0.335" GAUGE / 20MIL WEAR LAYER)

Construction Extruded Vinyl Core Top Layer Pre-Attached Underlayment	5.0mm (0.197") ISOCORE Technology® 2.0mm (0.079") Luxury Vinyl Tile (LVT) 1.5mm (0.059") IXPE with Ultra-Fresh
Use	Commercial & Residential (Refer to Recommended Use PDF for Recommended Commercial Areas)
Size	8.66" x 59.45" (220mm x 1510mm)
Wear Layer	20mil (0.5mm)
Finish	FX ³ Surface Protectant & Ultra-Fresh
Gauge	8.5mm (0.335")
Pieces/Carton	8
Coverage/Piece	3.575 Sq.Ft. (0.332 Sq.M.)
Coverage/Carton	28.6 Sq.Ft. (2.657 Sq.M.)
Coverage/Pallet	48 Cartons (1,372.8 Sq.Ft. / 127.537 Sq.M.)
Coverage/Container	14 Pallets (19,219.2 Sq.Ft. / 1,785.52 Sq.M.)
Limited Warranty	15-Year Commercial / Lifetime Residential

STANDARDS – SAFETY & PERFORMANCE

Standard	Description	Requirements	Results
ASTM E648	Critical Radiant Flux (Radiant Panel)	Class I: $\geq 0.45 \text{ W/cm}^2$	Passes Requirements
ASTM E662	Smoke Density	Flaming & Non-Flaming ≤ 450	Passes Requirements
ASTM D2047	Coefficient of Friction (Slip Resistance)	N/A (No Official Requirements)	≥ 0.6 (Dry)
ASTM G21 ¹	Antifungal Activity	N/A (No Official Requirements)	Top: 0-1; Bottom: 0
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM F970	Static Load	± 0.005 ", 250-Lbs. Load	Passes Requirements
SIM Test	Static Load Limit	N/A (No Official Requirements)	≥ 500 lbs.
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements
ASTM F1514	Resistance to Heat	Average $\Delta E < 8.0$	Surpasses Requirements
ASTM F1515	Resistance to Light	Average $\Delta E < 8.0$	Surpasses Requirements
ASTM F410	Wear Layer Thickness	Commercial: ≥ 20 mil (0.5mm)	Passes Requirements
ASTM D4060 ²	Abrasion Resistance	N/A (No Official Requirements)	Average: 25,000 cycles

NALFA/ANSI STANDARDS (LF-01-2011) – PERFORMANCE

Standard	Description	Class 1 (Residential)	Class 2 (Light Comm.)	Class 3 (Commercial)	Class 4 (Heavy Comm.)	Meets Requirements
Section 3.2	Thickness Swell	$\leq 18\%$	$\leq 16\%$	$\leq 16\%$	$\leq 12\%$	Classes 1-4
Section 3.5	Large Ball Impact Resistance	$> 800\text{mm}/31.5"$	$> 1,000\text{mm}/39.4"$	$> 1,200\text{mm}/47.3"$	$> 1,400\text{mm}/55.1"$	Classes 1-4
Section 3.6	Small Ball Impact Resistance	$> 200\text{mm}/7.9"$	$> 200\text{mm}/7.9"$	$> 350\text{mm}/13.8"$	$> 500\text{mm}/19.7"$	Classes 1-4
Section 3.10	Surface Bonding	1 N/mm ²	1.25 N/mm ²	1.25 N/mm ²	1.5 N/mm ²	Classes 1-4

STANDARDS – SOUND				
Standard	Description	Assembly	IBC Requirements ³	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss of Building Partitions and Elements (STC / Sound Transmission Class)	6" Concrete Slab	STC ≥ 50	STC 51 (Surpasses Requirements)
		6" Concrete Slab + Drop-Ceiling	STC ≥ 50	STC 62 (Surpasses Requirements)
ASTM E492 & ASTM E989	Impact Sound Transmission Through Floor-Ceiling Assemblies (IIC / Impact Insulation Class)	6" Concrete Slab	IIC ≥ 50	IIC 53 (Surpasses Requirements)
		6" Concrete Slab + Drop-Ceiling	IIC ≥ 50	IIC 69 (Surpasses Requirements)
ASTM E2179 & ASTM E989	Effectiveness of Floor Coverings in Reducing Impact Sound Transmission (ΔIIC / ΔImpact Insulation Class)	6" Concrete Slab	N/A	ΔIIC 24

Footnotes

- 1) **ASTM G21 (Antifungal Activity):** Top Surface (LVT Top Layer) scored 0-1 (No Growth to < 10% Growth); Bottom Surface (Underlayment) scored 0 (No Growth)
- 2) **ASTM D4060 (Abrasion Resistance):** Results vary with Engage Genesis® Collection and/or Emboss
- 3) **IBC** = International Building Code

Ultra-Fresh is a registered trademark of Thomson Research Associates, Inc.



METROFLOR® ENGAGE GENESIS™

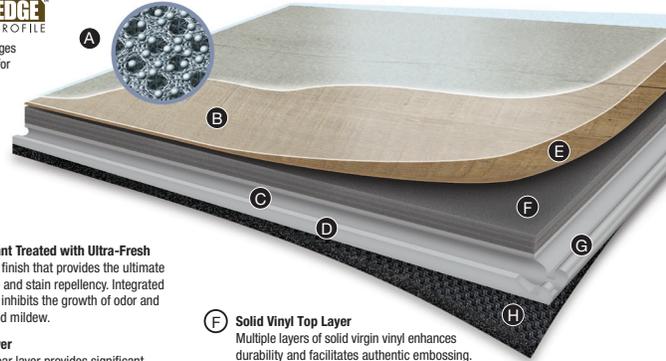
Featuring **ISOCORE** Technology®

2000XL Long Plank

Product Construction

MICRO-BEVEL EDGE PROFILE

Slightly eased micro-bevel edges lend definition to the flooring for a rich, realistic look.



- (A) FX³ Surface Protectant Treated with Ultra-Fresh**
An advanced polymer finish that provides the ultimate in abrasion resistance and stain repellency. Integrated Ultra-Fresh treatment inhibits the growth of odor and stain causing mold and mildew.
- (B) Clear Vinyl Wear Layer**
A transparent vinyl wear layer provides significant durability against scuffs & abrasions.
- (C) ISOCORE Technology®**
A highly engineered closed-cell extruded structural grey core. ISOCORE Technology® is 100% waterproof, rigid, light, strong, and dimensionally stable.
- (D) Angle Locking Technology**
Angle locking technology is profiled on long-edges of planks to facilitate a fast, floating-floor installation.
- (E) High-Resolution Printed Decorative Film**
High-resolution printed film delivers the beauty and realism of natural wood with vivid clarity.
- (F) Solid Vinyl Top Layer**
Multiple layers of solid virgin vinyl enhances durability and facilitates authentic embossing.
- (G) DROPLock 100™ Technology**
End joints utilize DROPLock 100™ Technology to facilitate a fold-down locking connection that dramatically expedites installation speed and aligns the top-surfaces of adjoining planks.
- (H) Integral Sound Mitigating Underlayment Treated with Ultra-Fresh**
A pre-attached underlayment that minimizes both reflected and transmitted sound, is shock-absorbing, provides warmth and comfort underfoot and helps further conceal subfloor imperfections. Ultra-Fresh treatment inhibits the growth of odor and stain causing mold and mildew.



Feature	Benefit
Revolutionary ISOCORE Technology®	<ul style="list-style-type: none"> • 100% Waterproof • Strong, rigid and dimensionally stable • Installs over most existing hard surfaces, including ceramic tile • No telegraphing from minor subfloor imperfections • No acclimation required in residential applications
Ultra-Fresh Freshness Protection	<ul style="list-style-type: none"> • Inhibits the growth of surface mold and mildew on all treated surfaces • Eliminates odors and stains associated with the growth of mold and mildew
Premium Attached Foam Underlayment	<ul style="list-style-type: none"> • Improves sound absorption for quieter environments • Provides warmth and comfort under foot • Reduces foot fatigue and impact stress on joints
DROPLock 100™ Locking System	<ul style="list-style-type: none"> • Fast, easy, glueless floating installation • Superior locking technology for a tight fit • Suitable for use with subfloor radiant heat
Tough, Transparent Wear Layer with FX³ Surface Protectant	<ul style="list-style-type: none"> • The ultimate in abrasion protection • Superior stain repellency for easy clean-up • Integrated Ultra-Fresh inhibits the growth of odor and stain causing mold and mildew
Authentic Looks and Textures	<ul style="list-style-type: none"> • Natural wood beauty with the superior performance of LVT • Realistic embossing indistinguishable from real hardwood • High definition visuals and rich surface textures deliver a natural appearance at a fraction of the cost of real hardwood floors
Large Scale Format	<ul style="list-style-type: none"> • Versatile, unique, and on-trend designs • 60-inch planks ideal for wide-open spaces
Low Maintenance	<ul style="list-style-type: none"> • No waxing or surface treatments required • Sweep, dust mop, or vacuum daily • Damp mop as needed using Prevail® Neutral Cleaner by Metroflor® • Use walk-off mats at outside entrances
Design Versatility	<ul style="list-style-type: none"> • Combines the beauty of hardwood, the durability of LVT, and the ease of angle-lock installation • Recommended for Retail, Hospitality, Multi-Family, Corporate, Educational, and Residential environments • No need for expansion gaps every 30 feet in larger installations • Suitable for traditional wet areas including baths, laundry rooms, kitchens, and below-grade (basement) applications