

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 0.335" GAUGE / 12MIL 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	Multi-Width (3 Widths): 4.25", 5.59", 9.84" x 47.64" (108mm, 142mm, 250mm x 1210mm)
Wear Layer	12mil (0.3mm)
Finish	Urethane with Enhanced Ceramic Bead (ECB) & Ultra-Fresh
Gauge	8.5mm (0.335")
Pieces/Carton	9 (3 Pieces per Size, per Carton)
Coverage/Piece	Varies with Width: 1.406 Sq.Ft. (0.131 Sq.M.); 1.849 Sq.Ft. (0.172 Sq.M.); 3.255 Sq.Ft. (0.302 Sq.M.)
Coverage/Carton	19.53 Sq.Ft. (1.81 Sq.M.)
Coverage/Pallet	60 Cartons (1,171.8 Sq.Ft. / 108.86 Sq.M.)
Coverage/Container	16 Pallets (18,748.8 Sq.Ft. / 1,741.82 Sq.M.)
Limited Warranty	10-Year Commercial / 25-Year Residential

NORTH AMERICAN STANDARDS – SAFETY & PERFORMANCE

Standard	Description	Requirements	Results
ASTM E648	Radiant Panel (Critical Radiant Flux)	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	≥ 0.6 (Dry)
ASTM G21 ¹	Antifungal Activity	N/A	Top: 0-1; Bottom: 0
ASTM F963	Heavy Metals	Refer to Standard	Passes Requirements
ASTM F970	Static Load Limit	$\pm 0.005"$, 250-Lbs. Load	≥ 500 lbs. (Surpasses Requirements)
ASTM F925	Chemical Resistance	No more than "Slight Change"	Surpasses Requirements
ASTM F1514	Resistance to Heat	Average & Max $\Delta E < 8.0$	Surpasses Requirements
ASTM F1515	Resistance to Light	Average & Max $\Delta E < 8.0$	Surpasses Requirements

NORTH AMERICAN STANDARDS – SOUND (Tested Over 6" Concrete Slab with Drop-Ceiling Assembly)

Standard	Description	Requirements	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss	Sound Transmission Class (STC) ≥ 50	STC 59 (Surpasses Requirements)
ASTM E492 & ASTM E989	Impact Sound Transmission	Impact Insulation Class (IIC) ≥ 50	IIC 65 (Surpasses Requirements)

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

NORTH AMERICAN STANDARDS – SUSTAINABILITY

Standard(s)	Description
FloorScore® CHPS 01350 LEED EQ 4.3	This product is FloorScore® Certified (SCS-FS-01967) and has thus been found to comply with the volatile organic compound emissions criteria of the California Section 01350 standard. FloorScore® Certification can also be used as an alternative path to obtaining LEED EQ 4.3 credit.

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)

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



METROFLOR® ENGAGE GENESIS™

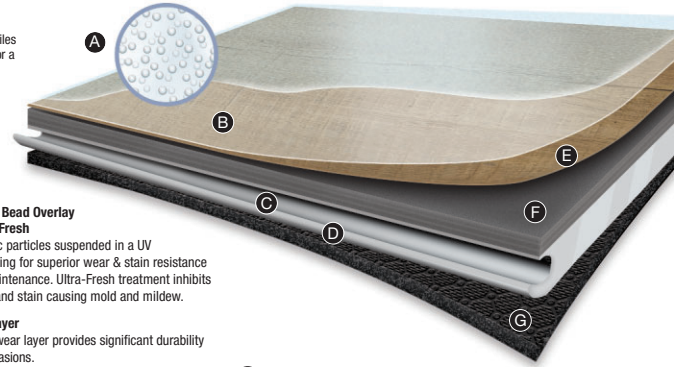
Featuring **ISOCORE** Technology™

1200MW

Product Construction

SQUARE EDGE PROFILE

Individual flooring planks or tiles meet flush with each other for a smooth, even finish.



- (A) Enhanced Ceramic Bead Overlay Treated with Ultra-Fresh**
Microscopic ceramic particles suspended in a UV cured urethane coating for superior wear & stain resistance and easy care & maintenance. 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, structural, grey core made from extruded, closed-cell vinyl. ISOCORE Technology™ is 100% waterproof, rigid, light, strong, and dimensionally stable.
- (D) Uniclic® Technology**
Uniclic locking technology provides the industry's leading mechanical locking system for fast, easy, glueless installation.
- (E) High-Resolution Printed Decorative Film**
High resolution printed film delivers the beauty and realism of natural wood, stone or abstracts with vivid clarity.
- (F) Solid Vinyl Top Layer**
Multiple layers of solid virgin vinyl enhances durability, provides resistance against dents & chips and facilitates authentic embossing.
- (G) 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.

Engage Genesis™ with ISOCORE Technology™ is a patent pending product from Metroflor Corporation.



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 Throughout	<ul style="list-style-type: none"> • Inhibits the growth of surface mold and mildew • Discourages growth of hidden mold beneath the floor • Eliminates odors associated with mold and mildew
Premium Attached Foam Underlayment	<ul style="list-style-type: none"> • Improves sound absorption for quieter environment • Provides warmth and comfort under foot • Reduces foot fatigue and impact stress on joints
Uniclic® Locking System	<ul style="list-style-type: none"> • Fast, easy, glueless floating installation • Installs over most existing hard surfaces • Suitable for use with subfloor radiant heat
Tough, Transparent Wear Layer with Enhanced Ceramic Bead Finish	<ul style="list-style-type: none"> • Enhanced protection against scuffs and abrasions • Superior stain, fade, and wear resistance • Simplifies care and maintenance
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
Multi Width Plank Format	<ul style="list-style-type: none"> • Versatile, unique, and on-trend designs • Multi width format accents wood grains and color variations seen in real hardwoods
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® • Will not swell nor quickly stain from pet urine • 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 click 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

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