

PHYSICAL PROPERTIES & PACKAGING

Construction	5.0mm (0.197") Extruded Vinyl Core - ISOCORE Technology™ 2.0mm (0.079") LVT Top Layer 1.5mm (0.059") Pre-attached Underlayment - Honeycomb Design, IXPE with Ultra-Fresh
Use	Commercial & Residential (Refer to Recommended Use PDF for Recommended Commercial Areas)
Size	7.48" x 47.64" (190mm x 1210mm)
Wear Layer	20mil (0.5mm)
Finish	Urethane Coating with Enhanced Ceramic Bead (ECB) and Ultra-Fresh
Gauge	8.5mm (0.335")
Pieces/Carton	8
Coverage/Piece	2.475 Sq.Ft. (0.23 Sq.M.)
Coverage/Carton	19.8 Sq.Ft. (1.84 Sq.M.)
Coverage/Pallet	60 Cartons (1,188 Sq.Ft. / 110.37 Sq.M.)
Coverage/Container	16 Pallets (19,008 Sq.Ft. / 1,765.9 Sq.M.)
Limited Warranty	15-Year Commercial / Lifetime Residential

ASTM STANDARDS – SAFETY & PERFORMANCE

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

ASTM STANDARDS – SOUND

Standard	Description	Requirements	Results
ASTM E90 & ASTM E413	Airborne Sound Transmission Loss	Sound Transmission Class (STC) ≥ 50	STC 59 ³
ASTM E492 & ASTM E989	Impact Sound Transmission (Floor-Ceiling Assemblies)	Impact Insulation Class (IIC) ≥ 50	IIC 65 ³

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	≤18%	≤16%	≤16%	≤12%	Classes 1-4
Section 3.5	Large Ball IR ⁴	>800mm/31.5"	>1,000mm/39.4"	>1,200mm/47.3"	>1,400mm/55.1"	Classes 1-4
Section 3.6	Small Ball IR ⁴	>200mm/7.9"	>200mm/7.9"	>350mm/13.8"	>500mm/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

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:** Top Surface (LVT Top Layer) scored 0-1 (No Growth to < 10% Growth); Bottom Surface (Underlayment) scored 0 (No Growth)
- 2) **ASTM D4060:** Results vary with Engage Genesis™ Collection and/or Emboss
- 3) **ASTM E90 & ASTM E492:** Results for product tested over 6" concrete slab with drop-ceiling assembly
- 4) **NALFA Sections 3.5 & 3.6:** Tests for Impact Resistance (IR)



METROFLOR® ENGAGE GENESIS™

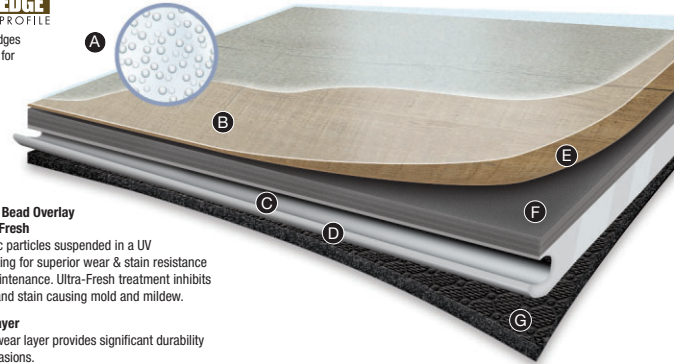
Featuring **ISOCORE** Technology™

2000

Product Construction

MICRO-BEVEL EDGE™ PROFILE

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



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
Plank Format	<ul style="list-style-type: none"> • Versatile, unique, and on-trend designs • Popular, traditional wide-plank format for versatility in a wide variety of design schemes
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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