

**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 ( <b>Refer to Recommended Use PDF for Recommended Commercial Areas</b> )
Size	Multi-Width (3 Widths): 4.25", 5.59", 9.84" x 47.64" (108mm, 142mm, 250mm x 1210mm)
Wear Layer	20mil (0.5mm)
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	15-Year Commercial / Lifetime 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 $\leq 450$	Passes Requirements
ASTM D2047	Coefficient of Friction (Slip Resistance)	N/A	$\geq 0.6$ (Dry)
ASTM G21 <sup>1</sup>	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	$\geq 500$ 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
ASTM F410	Wear Layer Thickness	Commercial: $\geq 20\text{mil}$ (0.5mm)	Passes Requirements
ASTM D4060 <sup>2</sup>	Abrasion Resistance	N/A	Average: 25,000 cycles

**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) $\geq 50$	STC 59 (Surpasses Requirements)
ASTM E492 & ASTM E989	Impact Sound Transmission	Impact Insulation Class (IIC) $\geq 50$	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 <sup>2</sup>	1.25 N/mm <sup>2</sup>	1.25 N/mm <sup>2</sup>	1.5 N/mm <sup>2</sup>	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)
- 2) **ASTM D4060 (Abrasion Resistance):** Results vary with Engage Genesis™ Collection and/or Emboss

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



# METROFLOR<sup>™</sup> ENGAGE GENESIS<sup>™</sup>

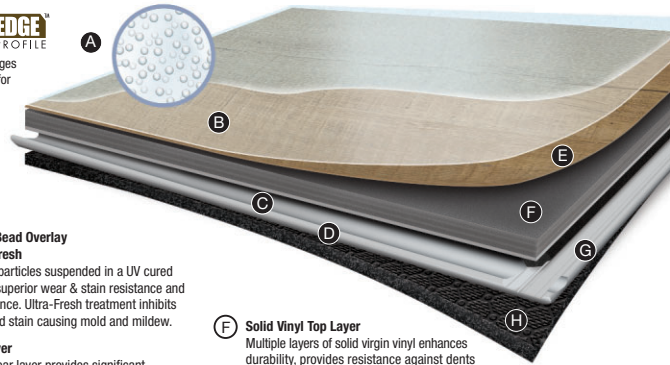
Featuring **ISOCORE** Technology<sup>™</sup>

## 2000MW

### Product Construction

#### MICRO-BEVEL<sup>™</sup> EDGE<sup>™</sup> 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<sup>™</sup>

A highly-engineered, structural, grey core made from extruded, closed-cell vinyl, ISOCORE Technology<sup>™</sup> is 100% waterproof, rigid, light, strong, and dimensionally stable.

#### (D) Uniclic<sup>®</sup> Technology

Uniclic locking technology is profiled on long-edges of Planks & Tiles 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, 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) 5G Technology

End joints utilize 5G Technology to facilitate a fold-down locking connection that dramatically expedites installation speed and aligns the top surfaces of adjoining planks & tiles.

#### (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.

Engage Genesis<sup>™</sup> with ISOCORE Technology<sup>™</sup> is a patent pending product from Metroflor Corporation.



Feature	Benefit
<b>Revolutionary ISOCORE Technology<sup>™</sup></b>	<ul style="list-style-type: none"> <li>• 100% Waterproof</li> <li>• Strong, rigid and dimensionally stable</li> <li>• Installs over most existing hard surfaces, including ceramic tile</li> <li>• No telegraphing from minor subfloor imperfections</li> <li>• No acclimation required in residential applications</li> </ul>
<b>Ultra-Fresh Freshness Protection Throughout</b>	<ul style="list-style-type: none"> <li>• Inhibits the growth of surface mold and mildew</li> <li>• Discourages growth of hidden mold beneath the floor</li> <li>• Eliminates odors associated with mold and mildew</li> </ul>
<b>Premium Attached Foam Underlayment</b>	<ul style="list-style-type: none"> <li>• Improves sound absorption for quieter environment</li> <li>• Provides warmth and comfort under foot</li> <li>• Reduces foot fatigue and impact stress on joints</li> </ul>
<b>5G Locking Technology</b>	<ul style="list-style-type: none"> <li>• Fast, easy, glueless floating installation</li> <li>• Installs over most existing hard surfaces</li> <li>• Suitable for use with subfloor radiant heat</li> </ul>
<b>Tough, Transparent Wear Layer with Enhanced Ceramic Bead Finish</b>	<ul style="list-style-type: none"> <li>• Enhanced protection against scuffs and abrasions</li> <li>• Superior stain, fade, and wear resistance</li> <li>• Simplifies care and maintenance</li> </ul>
<b>Authentic Looks and Textures</b>	<ul style="list-style-type: none"> <li>• Natural wood beauty with the superior performance of LVT</li> <li>• Realistic embossing indistinguishable from real hardwood</li> <li>• High definition visuals and rich surface textures deliver a natural appearance at a fraction of the cost of real hardwood floors</li> </ul>
<b>Multi Width Plank Format</b>	<ul style="list-style-type: none"> <li>• Versatile, unique, and on-trend designs</li> <li>• Multi width format accents wood grains and color variations seen in real hardwoods</li> </ul>
<b>Low Maintenance</b>	<ul style="list-style-type: none"> <li>• No waxing or surface treatments required</li> <li>• Sweep, dust mop, or vacuum daily</li> <li>• Damp mop as needed using Prevail<sup>™</sup> Neutral Cleaner by Metroflor<sup>®</sup></li> <li>• Will not swell nor quickly stain from pet urine</li> <li>• Use walk-off mats at outside entrances</li> </ul>
<b>Design Versatility</b>	<ul style="list-style-type: none"> <li>• Combines the beauty of hardwood, the durability of LVT, and the ease of click installation</li> <li>• Recommended for Retail, Hospitality, Multi-Family, Corporate, Educational, and Residential environments</li> <li>• No need for expansion gaps every 30 feet in larger installations</li> <li>• Suitable for traditional wet areas including baths, laundry rooms, kitchens, and below-grade (basement) applications</li> </ul>

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