

# TECHNICAL DATA SHEET - EU

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING - 10.0MM/0.70 MM)			
Construction Extruded Vinyl Core Top Layer Pre-Attached Underlayment	5.0mm (0.197") ISOCORE Technology® 3.0mm (0.118") Luxury Vinyl Tile (LVT) 2.0mm (0.079") IXPE with Ultra-Fresh	5.0mm (0.197") ISOCORE Technology® 3.0mm (0.118") Luxury Vinyl Tile (LVT) 2.0mm (0.079") IXPE with Ultra-Fresh	5.0mm (0.197") ISOCORE Technology® 3.0mm (0.118") Luxury Vinyl Tile (LVT) 2.0mm (0.079") IXPE with Ultra-Fresh
Use¹	Commercial	Commercial	Commercial
Size	220mm x 1510mm (8.66" x 59.45")	219mm x 1819mm (8.62" x 71.61")	448mm x 906mm (17.64" x 35.67")
Wear Layer	0.7mm (28mil)	0.7mm (28mil)	0.7mm (28mil)
Edge Detail	Micro-Bevel Edge	Micro-Bevel Edge	Micro-Bevel Edge
Finish	Urethane with Enhanced Ceramic Bead (ECB) & Ultra-Fresh	Urethane with Enhanced Ceramic Bead (ECB) & Ultra-Fresh	Urethane with Enhanced Ceramic Bead (ECB) & Ultra-Fresh
Thickness	10.0mm (0.394")	10.0mm (0.394")	10.0mm (0.394")
Mass per Unit Area	10.8kg/m²	10.8kg/m²	10.8kg/m²
Pieces/Carton	5	4	5
Coverage/Piece	0.332 Sq.M. (3.576 Sq.Ft.)	0.3975 Sq.M. (4.2875 Sq.Ft.)	0.405 Sq.M. (4.374 Sq.Ft.)
Coverage/Carton	1.66 Sq.M. (17.88 Sq.Ft.)	1.59 Sq.M. (17.15 Sq.Ft.)	2.025 Sq.M. (21.87 Sq.Ft.)
Coverage/Pallet	36 Cartons/Pallet (59.76 Sq.M./643.68 Sq.Ft.)	64 Cartons/Pallet (101.76 Sq.M./1,097.6 Sq.Ft.)	30 Cartons/Pallet (60.75 Sq.M./656.1 Sq.Ft.)
Coverage/Container	30 Pallets/Container (1,792.8 Sq.M./19,310.4 Sq.Ft.)	15 Pallets/Container (1,526.4 Sq.M./16,464 Sq.Ft.)	29 Pallets/Container (1,761.75 Sq.M./19,026.9 Sq.Ft.)
Aspecta® Ten Limited Commercial Warranty²	Material: 25 Years (100%) Labour: 10 Years (Pro-Rated)	Material: 25 Years (100%) Labour: 10 Years (Pro-Rated)	Material: 25 Years (100%) Labour: 10 Years (Pro-Rated)
FloorScore® Certificate No.	SCS-FS-03808	SCS-FS-03333	SCS-FS-03808
NSF/ANSI 332 Certificate No.	SCS-RF-04041 (Gold Certification)	N/A (Not Certified)	SCS-RF-04041 (Gold Certification)

EUROPEAN/INTERNATIONAL STANDARDS - CE CERTIFICATION/TESTING				
Description	Standard	Symbol	Requirements	Results
CE Certification	EN 14041		Refer to Standards Below	Refer to Results Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		<b>B<sub>fl</sub> - s1 Classification</b> Critical Flux: ≥8.0kW/m² Flame Spread: ≤150mm within 20s Smoke value as % x min: ≤750	Passes Requirements
Content of PCP (pentachlorophenol)	EN 14041		<5ppm	Passes Requirements
Formaldehyde Emission	EN 717-1		<b>Class E1:</b> Release ≤0.124mg/m³	Passes Requirements
Slip Resistance (Dry)	EN 13893		<b>Class DS:</b> Coefficient of Friction ≥0.30	Surpasses Requirements

EUROPEAN/INTERNATIONAL STANDARDS - MANUFACTURING & USAGE (EN 16511)				
Description	Standard	Symbol	Requirements	Results
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial - Very Heavy (Class 34) Refer to Standards Below	Passes Requirements (Refer to Results Below)
Wear Resistance IP, Method A	EN 13329, Annex E		≥4,000 cycles	Surpasses Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F		≥1800mm	Surpasses Requirements
Micro-Scratch Resistance [Class]³	EN 16094, Method B	N/A	≤MSR-B2	Passes/Surpasses (Results vary with collection)
Castor Chair Resistance	EN 425		After 25,000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions	Passes Requirements
Effect of Furniture Leg	EN 424		No Visible Damage	Passes Requirements
Residual Indentation	EN ISO 24343-1		≤0.15mm	Surpasses Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 - Only 10 Minutes)		Groups 1 and 2: Grade 5 Group 3: Grade 4	Passes Requirements
Locking Strength	ISO 24334		Long Side ≥2.0kN/m Short Side ≥3.5kN/m	Surpasses Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Surpasses Requirements
Thickness (t)	ISO 24337		$\Delta t_{avg} \leq 0.50\text{mm}$ (Versus Nominal) $t_{max} - t_{min} \leq 0.50\text{mm}$	Passes Requirements
Length (l)	ISO 24337		$l \leq 1500\text{mm}: \Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}: \Delta l \leq 0.3\text{mm}/\text{m}$ (Versus Nominal)	Passes Requirements
Width (w)			$\Delta w_{avg} \leq 0.10\text{mm}$ (Versus Nominal) $w_{max} - w_{min} \leq 0.20\text{mm}$	Passes Requirements
Squareness (q)			$q_{max} \leq 0.20\text{mm}$	Passes Requirements
Straightness (s)			$s_{max} \leq 0.30\text{mm}/\text{m}$	Passes Requirements

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EUROPEAN/INTERNATIONAL STANDARDS - MANUFACTURING & USAGE (EN 16511) - <i>continued</i>				
Description	Standard	Symbol	Requirements	Results
Flatness ( <i>f</i> )	ISO 24337	N/A	Maximum Single Values: $f_{w,concave} \leq 0.15\%$ , $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$ , $f_{l,convex} \leq 1.00\%$	Passes Requirements
Openings ( <i>o</i> )	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges $o_{avg} \leq 0.15\text{mm}$ , $o_{max} \leq 0.20\text{mm}$	Passes Requirements
Height Difference ( <i>h</i> )	ISO 24337	N/A	$h_{avg} \leq 0.10\text{mm}$ $h_{max} \leq 0.15\text{mm}$	Passes Requirements

EUROPEAN/INTERNATIONAL STANDARDS - AUXILIARY PERFORMANCE & SAFETY				
Description	Standard	Symbol	Requirements	Results
Slip Resistance (Wet) <sup>4</sup>	DIN 51130	N/A	Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes/Surpasses (Except Crescent Oak Collection)
Slip Resistance (Australia/New Zealand)	AS 4586	N/A	<b>Wet Pendulum (Slider 96)</b> P3: 35-44 SRV <b>Oil-Wet Inclining Platform</b> Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes/Surpasses Requirements
Cooling Phase - Shrinkage (23°C to 5°C)	N/A	N/A	N/A	Dimensional Stability: $\leq 0.05\%$ Curling: $\leq 0.7\text{mm}$
Heating Phase - Expansion (23°C to 40°C)	N/A	N/A	N/A	Dimensional Stability: $\leq 0.05\%$ Curling: $\leq 0.7\text{mm}$
Thermal Resistance	EN 12664		N/A	0.09600 to 0.09820 m <sup>2</sup> K/W at 10°C
Static Electrical Propensity	EN 1815, Method A		N/A	Average, Crescent Oak: -2.7kV Average, Other Products: -11.0kV
Impact Sound Insulation <sup>5</sup>	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_w = 18\text{dB}$
Product-Content Safety	REACH SVHC 168	N/A	Refer to Standard	Passes Requirements

STANDARDS - SUSTAINABILITY	
Standard	Description
FloorScore® CHPS 01350 LEED EQ 4.3	This product is FloorScore® Certified 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.
NSF/ANSI 332 <sup>6</sup>	This product is NSF/ANSI 332 Gold Certified and thus meets benchmark standards for social, environmental and economic sustainability as defined by the NSF/ANSI 332 standard. The assessment evaluated product design, product manufacturing, long-term value, end-of-life management, corporate governance, and innovation.

### FOOTNOTES

- 1) **Use:** Refer to Recommended Use PDF for Recommended Commercial Areas
- 2) **Aspecta® Ten Limited Commercial Warranty:** Please see full terms and conditions of our warranties at [www.aspecta flooring.com](http://www.aspecta flooring.com)
- 3) **Micro-Scratch Resistance [Class] (EN 16094, Method B):** Results vary with collection. MSR-B2: Crescent Oak; MSR-B1: Brindle Oak, Corneto, Fulton Hyde, Runyon Oak, Tally Oak, Tanley Hall, Urban Grid
- 4) **Slip Resistance-Wet (DIN 51130):** Results vary with collection. *Grade R9:* Crescent Oak; *Grade R10:* Brindle Oak, Corneto, Fulton Hyde, Runyon Oak, Tally Oak, Tanley Hall, Urban Grid
- 5) **Impact Sound Insulation (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):**  $\Delta L_w$  = Weighted Reduction of Impact Sound Pressure Level
- 6) **NSF/ANSI 332:** Aspecta® Ten carries NSF/ANSI 332 Gold Certification for all collections *except* the following: Crescent Oak