

NEW GENERATION PETG CLICK FLOORING

TECHNICAL DATA SHEET



PHYSICAL PROPERTIES & PACKAGING	
Collection	Allure Forte Plank 4,5 mm
Use	Commercial Class 34 & Residential Class 23
Size	228 mm X 1220 mm (8,98' X 48,03')
Thickness - Overall	4,5 mm
Product Construction	4,5 mm multilayer construction with a wear layer, printed film, and core all made from PETG
Edge Detail	4 sides Micro Bevel
Finish	Duraspect™ Extreme Surface Protectant
Patented Click System	Droplock-100 (I4F)
Mass per Unit Area	8,41 kg/m²
Pieces/Carton	8 pieces
Coverage/Carton	2,23 m2
Coverage/Pallet	52 Cartons (115,71 m²)
Coverage/Container	21 Pallets (2.429,91 m²)
Warranty ⁽¹⁾	Material: 20 years (100%) Labour: 10 years (Pro rata)

EUROPEAN / INTERNATIONAL STANDARDS - CE CERTIFICATION / TESTING			
Description	Standard	Symbol	Results Plank 4.5 mm
CE Certification	EN 14041		Refer to Standards Below
Reaction to Fire	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		B _{fl} -s1 Classification
Formaldehyde Emission	EN 717-1		Class E1
Slip Resistance	EN 13893		Class DS

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EUROPEAN / INTERNATIONAL STANDARDS – MANUFACTURING & USAGE (EN 16511)			
Description	Standard	Symbol	Results Plank 4,5 mm
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial Very Heavy (Class 34) Refer to Standards Below 
Wear Resistance IP	ISO 24338 Procedure B		≥7.000 Cycles
Impact Resistance (Big Ball)	EN 13329:2006, A1:2008, Annex F		≥ 1.800 mm No Visible Damage
Micro-Scratch Resistance [Class]	EN 16094, Method A	N/A	MSR-A2
Castor Chair Resistance	EN ISO 4918		After 25.000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions
Effect of Furniture Leg (Tested with foot type O)	EN ISO 16581 (Tested with foot type O)		No Visible Damage
Residual Indentation	EN ISO 24343-1		≤0,15mm
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 & 3 - Only 10 Minutes)		Groups 1, 2 & 3: Grade 5
Locking Strength	ISO 24334		Long side ≥ 1,0 kN/m Short side ≥ 3,5 kN/m
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.15 % ≤ 2mm
Colour Fastness to Light	ISO 105-B02, Method 3		≥Grade 6
Thickness (t)	EN 17539		$\Delta t^{avg} \leq 0,50\text{mm}$ (Versus Nominal) $t^{max} - t^{min} \leq 0,50\text{mm}$
Length (l)	EN 17539		$l \leq 1.500\text{mm}$: $\Delta l \leq 0,5\text{mm}$ $l > 1.500\text{mm}$: $\Delta l \leq 0,3\text{mm/m}$ (Versus Nominal)
Width (w)			$\Delta w^{avg} \leq 0,10\text{mm}$ (Versus Nominal) $w^{max} - w^{min} \leq 0,20\text{mm}$
Squareness (q)			$q^{max} \leq 0,20\text{mm}$
Straightness (s)			$s^{max} \leq 0,30\text{mm/m}$
Flatness (f)	EN 17539	N/A	Maximum Single Values: $fw_{concave} \leq 0,15\%$, $fw_{convex} \leq 0,20\%$ $fl_{concave} \leq 0,50\%$, $fl_{convex} \leq 1,00\%$
Openings (o)	EN 17539	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o^{avg} \leq 0,15\text{mm}$, $o^{max} \leq 0,20\text{mm}$
Height Difference (h)	EN 17539	N/A	$h^{avg} \leq 0,10\text{mm}$ $h^{max} \leq 0,15\text{mm}$

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EUROPEAN / INTERNATIONAL STANDARDS - AUXILIARY PERFORMANCE & SAFETY			
Description	Standard	Symbol	Results Plank 4,5 mm
Content of PCP (Pentachlorophenol)	EN 12673:1999		Not detected
Static Electrical Propensity	EN 1815		Antistatic Floor Coverings: ≤2,0kV (Absolute Value)
Thermal Resistance Thermal Conductivity	EN 12664		R ₂₃ = 0,034 (m ² · K)/W λ ₂₃ = 0,132 W/m · K
Slip Resistance (UK)	DIN EN 16165 : 2023 Annex C	N/A	Low Slip Risk (Dry) Moderate Slip Risk (Wet)
Product-Content Safety	REACH SVHC	N/A	Not detected
Heavy Metals	EN 71- 3:2019+A1:2021	N/A	Not detected

Footnotes

- 1) **Warranty:** Please see full terms and conditions of our warranties at www.hmtxglobal.com
2) **Impact Sound Insulation (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):** ΔLW = Weighted Reduction of Impact Sound Pressure Level

The manufacturing facility is ISO 9001 (Quality Management System) and ISO 14001(Environmental Management System) certified.

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