

NEW GENERATION PETG CLICK FLOORING

TECHNICAL DATA SHEET



PHYSICAL PROPERTIES & PACKAGING (WITH PRE-ATTACHED UNDERLAY)		
Collection	Allure Forte Plank 5,5 mm	Allure Forte Plank 6,0 mm
Use	Commercial Class 34 Residential Class 23	Commercial Class 34 Residential Class 23
Size	228 mm X 1.220 mm (8,98' X 48,03')	228 mm X 1.830 mm (8,98' X 72,05')
Thickness - Overall	5,5 mm	6,0 mm
Product Construction	4,5 mm multilayer construction with a wear layer, printed film, and core all made from PETG, plus a 1mm integrated PE underlay.	5,0 mm multilayer construction with a wear layer, printed film, and core all made from PETG, plus a 1mm integrated PE underlay.
Edge Detail	4 sides Micro Bevel	4 sides Micro Bevel
Finish	Duraspect™ Extreme Surface Protectant	Duraspect™ Extreme Surface Protectant
Patented Click System	Droplock-100 (I4F)	Droplock-100 (I4F)
Mass per Unit Area	8,55 kg/m²	9,71 kg/m²
Pieces/Carton	8 pieces	6 pieces
Coverage / Carton	2,23 m²	2,50 m²
Coverage / Pallet	48 Cartons (106,81 m²)	48 cartons (120,17m²)
Coverage/Container	22 Pallets (2349,82 m²)	18 Pallets (2163,06 m²)
Warranty ⁽¹⁾	Material: 20 years (100%) Labour: 10 years (Pro rata)	Material: 20 years (100%) Labour: 10 years (Pro rata)

EUROPEAN / INTERNATIONAL STANDARDS - CE CERTIFICATION / TESTING				
Description	Standard	Symbol	Results Plank 5,5 mm	Results Plank 6,0 mm
CE Certification	EN 14041		Refer to Standards Below	Refer to Standards Below
Reaction to Fire	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		B _{fl} -s1 Classification	B _{fl} -s1 Classification
Formaldehyde Emission	EN 717-1		Class E1	Class E1
Slip Resistance	EN 13893		Class DS	Class DS

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

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EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY				
Description	Standard	Symbol	Results Plank 5,5 mm	Results Plank 6,0 mm
Content of PCP (Pentachlorophenol)	EN 12673:1999		Not detected	Not detected
Static Electrical Propensity	EN 1815		Antistatic Floor Coverings: $\leq 2,0\text{kV}$ (Absolute Value)	Antistatic Floor Coverings: $\leq 2,0\text{kV}$ (Absolute Value)
Thermal Resistance Thermal Conductivity	EN 12664		$R_{23} = 0,050 \text{ (m}^2 \cdot \text{K)}/\text{W}$ $\lambda_{23} = 0,111 \text{ W}/\text{m} \cdot \text{K}$	$R_{23} = 0,051 \text{ (m}^2 \cdot \text{K)}/\text{W}$ $\lambda_{23} = 0,120 \text{ W}/\text{m} \cdot \text{K}$
Slip Resistance (UK)	DIN EN 16165 : 2023 Annex C	N/A	Low Slip Risk (Dry) Moderate Slip Risk (Wet)	Low Slip Risk (Dry) Moderate Slip Risk (Wet)
Impact Sound Insulation ⁽²⁾	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		$\Delta L_W - 17 \text{ dB}$	$\Delta L_W - 17 \text{ dB}$
Product-Content Safety	REACH SVHC		Not detected	Not detected
Heavy Metals	EN 71-3:2019+A1:2021	N/A	Not detected	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):** ΔL_W = 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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