

RC55 ESSENTIALS RIGID CLICK LVT

TECHNICAL DATA SHEET



PHYSICAL PROPERTIES & PACKAGING (RIGID CLICK FLOORING - 5.2 / 0.55 MM)	
Collection	ESSENTIALS TILE - XL
Use	Commercial & Residential
Size	220 mm x 1510 mm (8.66" x 59.45")
Thickness - Overall	5.2mm
Product Construction	4.2 mm Rigid Core (including 0.55mm Wear Layer and 1.0mm HDPE Acoustic Underlay)
Wear Layer - Thickness	0.55mm
Edge Detail	4 sides Micro Bevel
Finish	Duraspect™ Extreme Surface Protectant
Patented Click System	DropLock-100 (I4F)
Mass per Unit Area	8340 g/m²
Pieces/Carton	6 pieces
Coverage/Carton	1.99 m²
Coverage/Pallet	56 Cartons (111.44 m²)
Coverage/Container	21 Pallets (2340.24 m²)
Warranty ⁽¹⁾	Material: 20 years (100%) Labour: 10 years (Pro rata)

EUROPEAN / INTERNATIONAL STANDARDS - CE CERTIFICATION / TESTING			
Description	Standard	Symbol	Results
CE Certification	EN 14041		Refer to Standards Below
Reaction to Fire	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl - 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
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial - Very Heavy (Class 34) Refer to Standards Below
Wear Resistance IP	ISO 24338 Procedure A		≥7,000 cycles
Impact Resistance (Big Ball)	EN 13329:2006+A1:2008, Annex F		No Visible Damage
Micro-Scratch Resistance [Class] 3	EN 16094, Method B	N/A	MSR-A2
Castor Chair Resistance	EN 425		After 25,000 cycles: No Disturbance to the Surface; No Delamination, Cracks, or Disruptions
Effect of Furniture Leg	EN 424		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 ≥ 1.0kN/m Short Side ≥ 3.5kN/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)	ISO 24337		$\Delta t_{avg} \leq 0.50\text{mm}$ (Versus Nominal) $t_{max} - t_{min} \leq 0.50\text{mm}$
Length (l)	ISO 24337		$l \leq 1500\text{mm}$: $\Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}$: $\Delta l \leq 0.3\text{mm/m}$ (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)	ISO 24337	N/A	Maximum Single Values: $f_{w,concave} \leq 0.15\%$, $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$, $f_{l,convex} \leq 1.00\%$
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o_{avg} \leq 0.15\text{mm}$, $o_{max} \leq 0.20\text{mm}$
Height Difference (h)	ISO 24337	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
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		R23 = 0.050 (m² . K)/W λ23 = 0.104 W/m . K
Slip Resistance (Wet)	DIN EN 16165 : 2023 Annex B	N/A	Grade R10
Slip Resistance (UK)	BS 7976-2:2002+A1 2013	N/A	Low Slip Potential
Impact Sound Insulation ⁽²⁾	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		ΔL _w = 20 dB
A-weighted walking sound pressure level	EN 16205:2013		L _{n,walk'} A = 83 dB(A)
Product-Content Safety	REACH SVHC	N/A	Not detected
Heavy Metals	EN 71-3:2019+A1:2021		Not detected

Footnotes

1) Warranty: Please see full terms and conditions of our warranties at www.aspecta flooring.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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