








RC55 ESSENTIALS RIGID CLICK LVT












TECHNICAL DATA SHEET

PHYSICAL PROPERTIES & PACKAGING (RIGID CLICK FLOORING - 5.2 / 0.55 MM)		
Collection	ESSENTIALS PLANK - XL	ESSENTIALS TILE - XL
Use	Commercial & Residential	Commercial & Residential
Size	220mm x 1510mm (8.66" x 59.45")	448mm x 906mm (17.64" x 35.67")
Thickness - Overall	5.2mm	5.2mm
Product Construction	4.2mm Rigid Core (including 0.55mm Wear Layer) 1.0mm HDPE Acoustic Underlay	4.2mm Rigid Core (including 0.55mm Wear Layer) 1.0mm HDPE Acoustic Underlay
Wear Layer - Thickness	0.55mm	0.55mm
Edge Detail	4 sides Micro Bevel	4 sides Micro Bevel
Finish	Duraspect™ Extreme Surface Protectant	Duraspect™ Extreme Surface Protectant
Embossing	In Register Embossing / Absolute Emboss	Textured Concrete
Patented Click System	DropLock-100 (I4F)	DropLock-100 (I4F)
Mass per Unit Area	8336 g/m ²	8336 g/m ²
Pieces/Carton	6 pieces	6 pieces
Coverage/Carton	1.99m ²	2.44m ²
Coverage/Pallet	56 Cartons (111.44m ²)	48 Cartons (117.12m ²)
Coverage/Container	21 Pallets (2340m ²)	20 Pallets (2342m ²)
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	Requirements	Results
CE Certification	EN 14041		Refer to Standards Below	Refer to Standards Below
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl - s1 Classification Critical Flux: $\geq 8.0 \text{ kW/m}^2$ Flame Spread: $\leq 150 \text{ mm}$ within 20s Smoke value as % x min: ≤ 750	Passes Requirements
Formaldehyde Emission	EN 717-1		Class E1: Release $\leq 0.124 \text{ mg/m}^3$	Passes Requirements
Content of PCP (Pentachlorophenol)	EN 12673:1999		$< 5 \text{ ppm}$	Passes Requirements
Slip Resistance (Dry)	EN 13893		Class DS: Coefficient of Friction ≥ 0.30	Passes Requirements
Static Electrical Propensity	EN 1815, Method A		Antistatic Floor Coverings: $\leq 2,0 \text{ kV}$ (Absolute Value)	Passes Requirements/Antistatic
Thermal Resistance Thermal Conductivity	EN 12664		N/A (No Official Requirements)	TR= 0,051 (m ² .K)/W TC= 0,102 W/m.k

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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	Passes Requirements
Impact Resistance (Big Ball)	EN 13329+A1, Annex F		No Cracks	Passes Requirements
Micro-Scratch Resistance [Class] 3	EN 16094, Method B	N/A	MSR-A2 /MSR-B1	Passes Requirements
Castor Chair Resistance	EN 4918		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	Passes Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 & 3 - Only 10 Minutes)		Groups 1, 2 & 3: Grade 5	Passes Requirements
Locking Strength	ISO 24334		Long Side ≥ 2.0kN/m Short Side ≥ 3.5kN/m	Passes Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Passes 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)			$l \leq 1500\text{mm}: \Delta l \leq 0.5\text{mm}$ $l > 1500\text{mm}: \Delta l \leq 0.3\text{mm/m}$ (Versus Nominal)	Passes Requirements
Width (w)	ISO 24337		$\Delta w_{wavg} \leq 0.10\text{mm}$ (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)			$s_{max} \leq 0.30\text{mm/m}$	Passes Requirements
Flatness (f)	ISO 24337	N/A	Maximum Single Values: $f_{w,concave} \leq 0.15\%$, $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$, $f_{l,convex} \leq 1.00\%$	Passes Requirements
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o_{avg} \leq 0.15\text{mm}$, $o_{max} \leq 0.20\text{mm}$	Passes Requirements
Height Difference (h)	ISO 24337	N/A	$h_{avg} \leq 0.10\text{mm}$ $h_{max} \leq 0.15\text{mm}$	Passes Requirements

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EUROPEAN / INTERNATIONAL STANDARDS - AUXILIARY PERFORMANCE & SAFETY				
Description	Standard	Symbol	Requirements	Results
Colour Fastness to Light	ISO 105-B02, Method 3		≥Grade 6	Passes Requirements
Slip Resistance (Wet)	DIN 51130	N/A	Grade R10: ≥10° and <19°	Passes Requirements
Slip Resistance (Australia / New Zealand)	AS 4586	N/A	Wet Pendulum (Slider 96) P4: 45-54 SRV Oil-Wet Inclining Platform Grade R9: ≥6° and <10°	Passes Requirements
Slip Resistance (UK)	BS 7976-2+A1	N/A	Ratings - Slip Potential Low: 36+ PTV Moderate: 25-35 PTV High: 0-24 PTV	Low Slip Potential - Dry & Wet
Resistance to Staining	EN ISO 26987:2012		N/A (No Official Requirements)	0 (Not Affected/Unchanged)
Density	EN ISO 23996:2012/ ISO 23996:2007 Method A	N/A	N/A	1589 kg/m ³
Thickness of wear layer	ISO 24340: 2006	N/A	N/A	Surpasses Requirements
Impact Sound Insulation ⁽²⁾	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	ΔL _w = 20 dB
A-weighted walking sound pressure level	EN 16205:2013		N/A	L _{n,walk} , A = 80 dB(A)
Product-Content Safety	REACH SVHC 191	N/A	Refer to Standard	Passes Requirements

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.

Disclaimer:

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