












## TECHNICAL DATA SHEET GLUE DOWN LUXURY VINYL

Category: Glue Down Luxury Vinyl  
Collection: Avoflex 5.0

CHARACTERISTIC	NORM	SYMBOL	REQUIREMENT
Overall Thickness	ASTM F387		5.0 mm
Wear layer	ASTM F410 20		28 mil or 0.7mm
Dimension	ASTM F2055		9" x 60" Length: 0/+0.3 Width: 0/+0.1
Beveled Edge			Micro Bevel
Texture			Embossed / Wood Grain
Finish			UV Anti-Scratch Coating
Package			6pcs/carton, 52boxes/pallets, 21 pallets/container 20GP
Net Weight			4.80 lbs/pcs, 42.99 lbs/box, 2236.5 lbs/pallet
Recommended Use			Heavy Commercial
Thickness tolerance	ISO24346		+0.13 /-0.10mm
Dimension tolerance (length/width)	ISO24342		L : ±0.50mm W : ±0.15mm
Dimensional Stability	ISO23999		≤0.10%
Curling	ISO23999		≤1mm
Squareness (plank)	ISO24342		≤0.20
Width Flatness	ISO10582 Annex B		Concave≤0.10%/Convex≤0.15%
Length Flatness	ISO10582 Annex B		Concave≤0.50%/Convex≤1.0 %
Openings / Assembling	ISO10582 Annex C		average≤0.15mm
Ledging	ISO10582 Annex C		average≤0.10mm
Chemical resistance	ASTM F925		No change
Surface treatment (UV)			base coating+top coating
Surface Integrity	ASTM F1914		No puncture through wear layer into rigid core
Residual Indentation	ASTM F1700/ASTM F1914		≤8%
Castor Chair	ISO4918		25000R
Heat stability (color change)	ASTM F1514		ΔE≤8
Light Stability (Color Change Test)	ASTM F1515		ΔE≤8
Gloss Level			4~6
Reaction to Fire	ASTM E648		≥0.45W/cm <sup>2</sup>
Optical smoke density	ASTM E662		≤450
Locking Strength	ISO10582		≥1.5kN/m

<b>Resistance to Staining</b>	EN423		grade0
<b>Micro Scratch Resistance</b>	EN16094		≤grade2
<b>Abrasion Resistance(0.3/ 0.5/0.7MM)</b>	ASTM D4060		1000R/2400R/8000R
<b>Thermal Resistance</b>	ASTM C518		0.02 to 0.05 m <sup>2</sup> -K/W (or 0.1 to 0.3 ft <sup>2</sup> -h-°F/BTU)
<b>Slip Resistance ( Slip Resistance for Coated Surfaces)</b>	DN51130		R9
<b>Formaldehyde</b>	ASTM E1333		≤ 0.041 ppm
<b>Heavy Metal content</b>	ASTM F963		Pb≤90ppm
<b>Pentachlorophenol (PCP)</b>	CP 491510-01		PCP levels ≤ 5 ppm
<b>Floor Heating System</b>			suitable
<b>FloorScore</b>			✓
<b>TVOC</b>	CA01350		≤0.5mg/m <sup>3</sup>
<b>Flexibility</b>	ISO 24344:2008, Method A		Test using a 20 mm mandrel. For products which show signs of cracking, perform a further test using a 50 mm mandrel. If results show no further cracking,record the use of a 50 mm mandrel.