Avostone™
ORIGINAL
ARCHITECTURAL STONE DESIGN

Avolis
FLOORING YOU'LL LOVE

Technical Data Sheet

GENERAL CHARACTERISTIC

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Dimension	ASTM F2055		**12" x 24"** 305 x 610 mm
Total Thickness	ASTM F387		8.0 mm 6 mm flooring body + 2 mm attached IXPE underlay
Beveled Edge			Painted V-Groove (tile look)
Finish			Matte
Texture			Stone look
Thickness of Wear Layer	ASTM F410		22 Mil 0.55mm
Underlayment optionally IXPE			2 mm attached IXPE underlay
Net Weight			18.7 kg
Package			8pcs/carton 54 cartons/pallet 20 pallets per 20ft container

TOLERANCE

CHARACTERISTICS	NORM	REQUIREMENT
Thickness Tolerance	ISO 24346	6 mm -0.1/+0.13mm(without IXPET)
Dimension Tolerance	ISO 24342	Length 0/+0.3; Width 0/+0.1
Dimensional Stability	ISO 23999	≤ 0.20%
Curling	ISO 23999	≤ 1.5 mm
Squareness	ISO 24342	≤ 0.010 in. (≤ 0.25 mm)
Width Flatness	ISO 10582 Annex B	fw ≤ 0.15%
Length Flatness	ISO 10582 Annex B	fl ≤ 0.20%
Openings / Assembling	ISO 10582 Annex C	≤ 0.20 mm
Ledging	ISO10582 Annex C	≤ 0.1 mm

SPECIFICATION

CHARACTERISTICS	NORM		REQUIREMENT
Abrasion Resistance	ASTM D4060		≥4000 cycles

Resistance to Staining	EN 423		No visible staining, discoloration or surface degradation
Castor Chair	ISO 4918		No visible damage after 25,000 cycles
Heat Stability	ASTM F1514		<8.0
Light Stability	ASTM F1515		ΔE ≤8.0
Gloss Level			Matte Matte 5-8 GU / 8-12 GU
Locking Strength	ISO 10582		Longitudinal 3.4 kN/m; Trans 3.6 kN/m
Micro Scratch Resistance	EN 16094		MSR-A1, MSR-B1
Heavy Metal content	ASTM F963		(Pb) ≤ 90 ppm; (Cd) ≤ 75 ppm; (Hg) ≤ 60 ppm; (As) ≤ 25 ppm; (Sb) ≤ 60 ppm; (Ba) ≤ 1000 ppm; (Cr VI) ≤ 60 ppm; (Se) ≤ 500 ppm
Surface Treatment (UV)			2-pass UV cured urethane
Surface Integrity	ASTM F1914		No visible changes or only minor indentation
Residual Indentation	ASTM F1700/ASTM F1914		≤0.007 in (0.18 mm)
Chemical Resistance	ASTM F925		No Effect

GENERAL CHARACTERISTIC

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Reaction to Fire	ASTM E648		Class I (≥0.45 W/cm²)
Formaldehyde	ASTM E1333		CARB P2
Pentachlorophenol PCP	CP 491510-01		≤5 ppm
Thermal Resistance	ASTM C518		0.03 to 0.05 m²·K/W (or 0.1 to 0.3 ft²·h·°F/BTU)
Slip Resistance	DN51130		Dry COF ≥0.50 Wet COF ≥0.42
Optical Smoke Density	ASTM E662		N/A

UNDERFLOOR HEATING

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
Floor Heating System			Max. 32°C

ENVIRONMENTAL CERTIFICATION

CHARACTERISTICS	NORM	SYMBOL	REQUIREMENT
FloorScore			confirm
TVOC	CA01350		A+

Attention: The provided specifications represent typical values and may be subject to slight variations across production batches. Certain performance characteristics may naturally evolve over time with usage. Custom orders are available upon request.

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