Amtico Marine Inc. Bio Option

Technical Specification

MAR-TS-20260716-13-EN

Name	Standard	Symbol	Result
Usage Classification	EN ISO 10874		23, 33, 42
Manufacturing Standard	EN IS0 10582		Pass
Total Thickness	EN ISO 24346		2 mm
Wear Layer Thickness	EN ISO 24340		0.55 mm
Weight	EN ISO 23997		2,850 g/m²
Abrasion Resistance	EN ISO 10582		Type 1
Residual Indentation	EN ISO 24343-1		≤ 0.1 mm
Dimensional Stability	EN ISO 23999		≤ 0.25%
Curling	EN ISO 23999		≤ 2 mm
Slip Resistance	EN 13893		Class DS
Slip Resistance	EN 16165 Annex B EN 16165 Annex C		R10* PTV ≥36 Wet
Chemical Resistance	EN ISO 26987		Excellent
Colour Fastness to Light	EN ISO 105-B02		≥ 6
Reaction to Fire Class	EN ISO 13501-1		B_{fl}-s1
Flammability / Smoke Emissions	IMO MSC FTP Code 2010 (Parts 2 & 5)		Approved by Lloyd's Register Deutschland GmbH
Flammability / Smoke Emissions	IMO MSC FTP Code 2010 (Parts 2 & 5)		Lloyd's Register Marine Limited (LRM Ltd)
Flammability / Smoke Emissions	IMO MSC FTP Code 2010 (Parts 2 & 5)		Transport Canada Certified
Heat of Combustion	EN ISO 1716		14 MJ/kg
Castor Chair Resistance (Type W)	EN ISO 4918		Pass
Thermal Resistance	EN ISO 12664		0.012 m² K/W (underfloor heating suitable)
Electrostatic Performance	EN 1815		≤ 2 kV
Emissions	IAC Gold		Certificate no. IACG-352-01-10-2025
Emissions	M1		Certified
Ortho-phthalate Free			Yes - Amtico Marine products are manufactured using both ortho-phthalate free and biobased plasticisers.
Surface Treatment			Quantum Guard Elite - Urethane
Antimicrobial Activity (Anti-bacterial)	ISO 22196:2011	Amtico Marine is manufactured incorporating an antimicrobial additive - Tested against MRSA and E.Coli	≥ 99.9% reduction within 24 hrs (compared to untreated polyethylene surfaces)
Antimicrobial Activity (Anti-viral)	ISO 21702:2019	Amtico Marine is manufactured incorporating an antimicrobial additive - Tested against SARS-CoV-2 (the virus that causes Covid-19)	≥ 85.5% reduction within 24 hrs (compared to inert glass) ≥ 99.9% reduction within 24 hrs (against the initial inoculation)
If made with Bio Attributed option	ISCC Plus		ISCC-PLUS-Cert-DE100-12801125

*For safety flooring with long-term retention of slip resistance refer to Amtico Marine Safety.

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