

EXTREME SPORTS 4.5mm, 6mm & 8mm PRODUCT SPECIFICATIONS

PART 1 – PRODUCT DESCRIPTION

1. General

A multi-purpose resilient sheet flooring made of heterogeneous vinyl.

2. Wear layer

Vinyl wear layer with a permanent anti-microbial treatment, bonded via a cross-link polymer (CLP) system.

3. Backing

Bottom and middle layers of closed-cell vinyl foam sponge, reinforced with a layer of non-woven fiberglass for dimensional stability.

4. Roll sizes 5'11" Wide x 65' Long

PART 2 – TECHNICAL SPECIFICATIONS

1. Physical Properties	Test	Requirement	EXT-4500	EXT-6000	EXT-8000
Overall thickness			4.5 mm	6.0 mm	8.0 mm
Wear layer thickness			1.30 mm	1.30 mm	1.45 mm
Weight		In lbs/sq ft	0.65	0.92	1.18
3. Safety					
Critical radiant flux	ASTM E648	Class 1: 0.45 w/cm ² or higher	0.52	0.52	0.52
4. Performance					
Shock absorption	EN 14808	Min. 25% to max. 75%	pending	30%	38%
Sliding properties	DIN 18032	Slip coefficient: min 0.4 to max 0.7	0.4-0.6	0.4-0.6	0.4-0.6
Slip resistance	ASTM C1028	Slip coefficient: OSHA min. 0.5; ADA (guideline) min. 0.6	wet 0.71 dry 0.70	wet 0.71 dry 0.70	wet 0.71 dry 0.70
Ball rebound	EN 12235	Min. 90%	>93%	>93%	>93%
Light reflection	EN 20 105-B02	Max. 12%	>6%	>6%	>6%
Sound insulation	ISO 717/2	In decibels	21dB	22dB	24dB
5. Durability					
Abrasion resistance	ISO 5470-1	Max. 0.8 g	0.15 g	0.20 g	0.22 g
Chemical resistance	EN 423	Best = Excellent	Excellent	Excellent	Excellent
Dimensional stability	EN 434	Max. 0.2%	<0.1%	<0.1%	<0.1%
Residual impression	EN 433	Max. 0.5 mm	0.15 mm	0.15 mm	0.20 mm
Static load limit	ASTM F970	Commercial use: min. 175 psi	200 psi	200 psi	200 psi