



Natural Choice
Underlayment



FOR ACOUSTICS, PERFORMANCE,
LONGEVITY AND THE ENVIRONMENT

Material Specification Sheet

PROPERTY	RESULTS	METHOD
Material Type	Advanced Thermo Closed Cell, Cross Linked Polyethylene Foam with Natural Cork Granules	
Proprietary	Patent Pending	
Foam Thickness	3.2mm (0.126")	
Density	5.3 pcf	ASTM D3575
Tensile Strength	161.64 psi	ASTM D412
Tensile Strength Transverse	141.7 psi	ASTM D412
Tensile Strength Longitudinal	125.8 psi	ASTM D412
Elongation (% to break)	127.47 %	ASTM D412
Elongation Longitudinal	117.40%	ASTM D412
Elongation Transverse	113.70%	ASTM D412
Tear Resistance	50.7 PSI	ASTM D624
Compressive Strength Deflection 25%	7.68 psi	ASTM D3575
Compressive Strength Deflection 50%	20.99 psi	ASTM D3575
Compression Set @ 50% - 24 hours	14.70%	ASTM D3575
Environmental		
VOC Emissions	Tested by Bodycote Testing Group	SPME GC-MS
Water Leachate Analysis	Tested by Bodycote Testing Group	SPME GC-MS
Summerhill Group	ECO OPTIONS APPROVED	
Cork Source	FSC Approved	
Moisture Vapour Barrier		
Vapour Barrier	6 Mil	
Moisture Barrier Transmission	0.015 g/100 ² /24hrs	ASTM E96/E96M-05
Acoustics		
Concrete Slab Thickness	8 Inches	
Impact Isolation Class (IIC)	71	ASTM E492-04 ASTM E989 -06
Sound Transmission Class (STC)	67	ASTM E90-04 ASTM E413 - 04
Flammability	3.15"-PASS	ASTM FMVSS302
Radiant Floor	Approved	

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