

## Underlayment 500

## Technical Specifications

<b>Description:</b>	Natural Cork® Underlayment 500		
<b>Installation:</b>	Glue Down		
<b>Sizes:</b>	36" x 24" Sheets		
<b>Thickness:</b>	12.8mm		
<b>Composition:</b>	Homogenous 100% quercus suber cork Composition of cork granules Size 1 - 3		
<b>Anti-allergenic</b>	Cork- quercus suber is a bacteria and spore resistant product		
<b>Insect Resistance</b>	Cork- quercus suber is a natural insect		
<b>Anti-microbial</b>	Microban® inhibits mold and bacteria in binder		
<b>Density:</b>	190 kg/m <sup>3</sup> - 210 kg/m <sup>3</sup> [11.8lb/ft <sup>3</sup> – 13.6 lb/ft <sup>3</sup> ]		
<b>Flexibility</b>	Passes		
<small>[ASTM F 5]</small>			
<b>Disintegration:</b>	Does not disintegrate in water after boiling for one hour		
<b>Water Vapor Permeation</b>	.23 perms		
<small>ASTM E 96</small>			
<b>Tensile Strength:</b>	5-8kg/cm <sup>2</sup>		
<b>Thermal Insulation:</b>	0.084W/mok		
<small>[ISO 8310]</small>			
<small>[ASTM C 177]</small>	0.1.7 r		
<b>Fire Rating</b>	Class A		
<small>[ASTM E 84]</small>	flame spread index 30		
	Smoke developed index 15		
<small>[ASTM E 408]</small>	infrared emissivity 0.16		
<b>Compression Recovery</b>	Initial: 95%		
<small>[ISO 9727]</small>			
<b>Dimensional Tolerance:</b>	+/- 0.5mm	[Length – Width]	
	+/-0.2mm	[thickness]	
<b>Robinson Floor Tile Test</b>	Passed		
<small>[ASTM C627]</small>			
<b>Acoustical Rating:</b>		ceramic	wood
		IIC STC	IIC STC
<small>[ASTM E413-87]</small>	6" concrete	50 56	53 58
<small>[ASTM E989-89]</small>			
<b>Ergonomic acclaim</b>	<b>Healthier Choice – Anti-microbial</b> <b>Forever Resilient</b> <b>Warm and Soft Underfoot</b> <b>Acoustical values</b> <b>Contributes to Productivity in the Workplace</b> <b>Shock/Impact Absorption</b>		
<b>Sustainable acclaim</b>	<b>Pre-Consumer / Post-Industrial cork product 100%</b> <b>Rapidly Renewable Resource 100%</b> <b>Formaldehyde-free</b>		