DERBYSHIRE

PRODUCT DESCRIPTION	lo 11					
Size	Overall Thickness	5mm (including 1.0mm pre attached underlay)				
Top layer	Туре	Anti-bacterial, quartz enhanced UV cured coating				
	Thickness	Wear layer of 0.5mm (20mil)				
	Type	Waterproof thermoplastic composite				
Core	Thickness Color	3. 5mn				
	Density	Black ≥ 1900kg/m3				
	Wood content	None				
Backing	Type	Natural cork				
D1	Thickness	Imm				
Bevel Locking system		Regular bevel Fall down (Tight lock)				
Type of installation		Floating				
Underfloorheating compatibility		Yes but under certain c	ondition- See instal	lation instruction man	nual	
Material Type		Virgin material only				
DIMENSIONAL TOLERANCE						
Thickness tolerance		+/- 0.2mm				
Width tolerance Length tolerance		+/- 0.1mm +/- 0.5mm				
Height difference		Handscraped texture ≤	0.30mm, Others textu	re ≤ 0.15mm		
Gap between planks		≤ 0.20mm	,			
Cupping up		≤ 0.15% of the planks				
Cupping down		≤ 0.2% of the planks w ≤ 0.5% of the planks 1				
End lift Bowing						
Squareness		≤ 0.25mm/ 305mm				
	Norm	Test method	Requirement	Test results	Conclusion	
CHEMICAL COMPOSITION	North	rest method	Requirement	Test results	Conclusion	
Formaldehyde emission	CARB	ASTM 6007	≤ 0.11 ppm	Not detected	Meet CARB phase 2 requirement	
1 of margeriyae emission	EN 14041	EN 717-1	≤ 0.124 mg/m3	0.01	E0	
	Decret No2011-321	ISO 16000	TV0C<1000μg/m3	31	VOCA+	
voc	DIBT	ISO 16000	TV0C<1000μg/m3	29	Meet AgBB requirement - U mark certified	
	Floorscore	Californian 01350	Within CREL/TAC	Pass - TVOC =35	Floorscore certified (private label available under condition)	
Ortho-phthalates	Prop 65	Spectrometry	Ortho-phtalate free	Not detected	Ortho-phthalate free, Comply with Prop 65	
Lead	CPSIA	CPSC-CH-E-1002-08	≤ 90ppm	Not detected	Meet children toy reguation	
PAHs	EU REACH	Spectrometry and	<1mg/kg	0.7	Meet requirement of product that can be put	
non	regulation No.	chromatography	71	V . I I	in mouth	
PCP Substances of Very High Concern (SVHC)	EN 14041 EU REACH	EN 12673	<1ppm	Not detected	Pass	
(mercury, chromium VI, Cadmium, SCCp, benzene,	regulation No.	Spectrometry and	≤ 0.1% (w/w)	Not detected	REACH compliant	
Xylene, tributyltin, etc)	1907/2006	chromatography				
SURFACE ANTIBACTERIAL PROPRIETY						
MRSA				>99%	More than 99% bacteria reduction	
ESBL	-	Antimicrobacterial	_	>99%	More than 99% bacteria reduction More than 99% bacteria reduction	
E.Coli (Escherichia Coli)	_	activity and efficacity	_	>99%	More than 99% bacteria reduction	
S. Aureus (Staphylococcus aureus)	-		_	>99%	More than 99% bacteria reduction	
PHYSICAL PROPERTIES						
Heat exposure resistance 80° C/180° F	EN 16511	ISO 23999	ΔW/ΔL≤0.25%	0.03%	Class 34, heavy commercial	
	ASTM 1700	ASTM F2199	ΔW/ΔL ≤ 0.16%	0.03%	Pass	
Dimensional variation (humidity change)	EN 16511	ISO 24339	ΔW/ΔL≤ 0.15%	ΔW/ΔL ≤ 0.01%	Class 34, heavy commercial	
Swelling after submersion in water	EN 16511 NALFA LF 01-2011	ISO 24336 NALFA LF 01-2011	≤ 12% ≤ 12%	0% 0%	Class 34, heavy commercial Class 4, heavy commercial	
	- UNLIFA LIF 01-2011	ASTM E492-09	ASTM E989-6	IIC=69	IIC=69	
Impact sound transmission reduction	_	ISO 10140-3	ISO EN 717-2	No data	No data	
	-	ASTM E2179-9	ASTM E989-6	No data	No data	
Airbana and the said and the said	_	ISO 10140-1 ASTM E90-09	ISO EN 717-2 ASTM E413-16	No data STC=69	No data STC=69	
Airborne sound transmission reduction	-	ISO 10140-2	ISO EN 717-1	No data	No data	
Locking strength (23°C)	EN 16511	ISO 24334	Long side≥2.0 kN/m,	Long side = 6.3 kN/m,	Class 34, heavy commercial	
			Short side≥ 3.5kN/m	Short side =5.4 kN/m		
Thermal conductivity	EN 14041	EN 12667 EN 12667/ASTM C518	-	0.1 W/(m.k) 0.05 m2 • K/W	Suitable for underfloor heating system	
Thermal resistance (R value) Reaction to fire	EN 14041	EN 12067/ASIM C518 EN 13051-1	_	0.05 m2 • K/W CHF=9.4kW/m2	Suitable for underfloor heating system Class Bfl -Sl	
Fire resistance (CHF)	-	ASTM E648/662	-	0.94 W/cm2	Class I	
SURFACE PROPERTIES						
	-	ISO 1518-1	≤ 0.015g/1000 rev	0.008	Pass	
tor.						
Wear resistance	EN 16511	EN 13329	≥ 4000 cycles	9600	Class 34, heavy commercial	
	EN 16511 NALFA LF 01-2011	NALFA LF 01-2011	≥ 6000 cycles	9600	Class 4, heavy commercial	
Scratch	NALFA LF 01-2011 -	NALFA LF 01-2011 ISO 1518-1	≥ 6000 cycles ≥ 2500g	9600 3200g	Class 4, heavy commercial Pass	
Scratch Surface bonding	NALFA LF 01-2011 - NALFA LF 01-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2	9600 3200g 1.56 N/mm2	Class 4, heavy commercial Pass Class 4, heavy commercial	
Scratch	NALFA LF 01-2011 -	NALFA LF 01-2011 ISO 1518-1	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa	9600 3200g	Class 4, heavy commercial Pass	
Scratch Surface bonding Static load	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2	9600 3200g 1.56 N/mm2 0.05mm - Pass	Class 4, heavy commercial Class 4, heavy commercial Class 4, heavy commercial	
Scratch Surface bonding	NALFA LF 01-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg)	9600 3200g 1.56 N/mm2 0.05mm - Pass	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass	
Scratch Surface bonding Static load Residual indentation	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90%	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial	
Scratch Surface bonding Static load	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329	≥ 6000 cycles ≥ 2500 $_{\rm R}$ ≥ 1.5 N/mm2 ≥ 1.3 SMpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≥ 15.5mm ≥ 1800mm	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball)	NALFA LF 01-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011	2 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm	9600 3200g 1.56 N/mm ² 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial	
Scratch Surface bonding Static load Residual indentation	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329	≥ 6000 cycles ≥ 2500 $_{\rm R}$ ≥ 1.5 N/mm2 ≥ 1.3 SMpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≥ 15.5mm ≥ 1800mm	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial Class 4, heavy commercial IC3, Class 34, Heavy commercial	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball)	NALFA LF 01-2011 NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 NALFA LF 01-2011 EN 13329	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EN438	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 1.3 8N/pa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm ≥ 15 N	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball)	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 EN 16511 EN 16511 EN 16511 EN 16514 EN 170-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 1.3 M/pa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in)	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000	Class 4, heavy commercial Pass Class 4, heavy commercial Class 34, heavy commercial Class 34, heavy commercial IC3, Class 34, Heavy commercial Class Description of the service of t	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball)	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 EN 16511 EN 16511 EN 16511 EN 16514 EN 170-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011 EN 13893	\geq 6000 cycles \geq 2500g \geq 1.5 N/mm2 \geq 13.8Mpa (2000psi/450kg) \leq 8% (140 1bs/63kg) \leq 0.15mm \geq 1800mm \geq 1400mm \geq 15 N \geq 500mm (19.7 in) DryC0F \geq 0.3	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial Class BS Meet ADA recommendation Anti-splip resistance R9 (stone embossed can	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball)	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 NALFA LF 01-2011 EN 13329 NALFA LF 01-2011 EN 14041	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 243433-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011 EN 13893 ASTM C1028 D 51130	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 lbs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in) DryCOF ≥ 0.3 ≥ 0.5	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51 Dry: 0.8, Wet: 0.76	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, heavy commercial Class 4, heavy commercial Class 4, heavy commercial Class BS Meet ADA recommendation Anti-splip resistance R9 (stone embossed can reach R10)	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball)	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 EN 16511 EN 16511 EN 16511 EN 16514 EN 170-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011 EN 13893 ASTM C1028 D 51130 ISO 105-B02:1994,	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 lbs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in) DryCOF ≥ 0.3 ≥ 0.5	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51 Dry: 0.8, Wet: 0.76	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial Class 50 Meet ADA recommendation Anti-splip resistance R9 (stone embossed can	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball) Slipperiness	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 NALFA LF 01-2011 EN 13329 NALFA LF 01-2011 EN 14041	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 243433-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011 EN 13893 ASTM C1028 D 51130	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 1.3 8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in) DryCOF ≥ 0.3 ≥ 0.5	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51 Dry: 0.8, Wet: 0.76	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, heavy commercial Class 4, heavy commercial Class 4, heavy commercial Class BS Meet ADA recommendation Anti-splip resistance R9 (stone embossed can reach R10)	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball) Slipperiness	NALFA LF 01-2011 NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 EN 13329 NALFA LF 01-2011 EN14041 EN 13329 NALFA LF 01-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011 EN 13893 ASTM C1028 D 51130 ISO 105-B02:1994, Method 3a NALFA LF 01-2011	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1400mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in) DryCOF ≥ 0.3 ≥ 0.5 ≥ R9 ≥ Grade 6 Slight change only Group 1 and 2:	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51 Dry: 0.8, Wet: 0.76 R9 ≥ 6 Slight change only Group 1 and 2:	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial Class DS Meet ADA recommendation Anti-splip resistance R9 (stone embossed can reach R10) Pass Class 4, heavy commercial	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball) Slipperiness Colour fastness to light	NALFA LF 01-2011 - NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 EN 16511 EN 13329 NALFA LF 01-2011 EN 13329 NALFA LF 01-2011 EN 14041	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EM-38 NALFA LF 01-2011 EN 13893 ASTM C1028 D 51130 ISO 105-B02:1994, Method 3a	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 1.3 8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1800mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in) DryCOF ≥ 0.3 ≥ 0.5 ≥ R9 ≥ Grade 6 Slight change only Group 1 and 2: grade 5, group3:	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51 Dry: 0.8, Wet: 0.76 R9 ≥ 6 Slight change only Group 1 and 2: grade 5, group3:	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial Class BS Meet ADA recommendation Anti-splip resistance R9 (stone embossed can reach R10) Pass	
Scratch Surface bonding Static load Residual indentation Impact resistance (big ball) Impact resistance (small ball) Slipperiness	NALFA LF 01-2011 NALFA LF 01-2011 NALFA LF 01-2011 ASTM F1700 EN 16511 EN 16511 EN 13329 NALFA LF 01-2011 EN14041 EN 13329 NALFA LF 01-2011	NALFA LF 01-2011 ISO 1518-1 EN311/NALFA LF 01-2011 ASTM F970 ASTM F1914 EN 433/ISO 24343-1 EN 13329 NALFA LF 01-2011 EN438 NALFA LF 01-2011 EN 13893 ASTM C1028 D 51130 ISO 105-B02:1994, Method 3a NALFA LF 01-2011	≥ 6000 cycles ≥ 2500g ≥ 1.5 N/mm2 ≥ 13.8Mpa (2000psi/450kg) ≤ 8% (140 1bs/63kg) ≤ 0.15mm ≥ 1400mm ≥ 1400mm ≥ 15 N ≥ 500mm (19.7 in) DryCOF ≥ 0.3 ≥ 0.5 ≥ R9 ≥ Grade 6 Slight change only Group 1 and 2:	9600 3200g 1.56 N/mm2 0.05mm - Pass 1.90% 0.03 ≥1800 ≥1400 23 1000 0.51 Dry: 0.8, Wet: 0.76 R9 ≥ 6 Slight change only Group 1 and 2:	Class 4, heavy commercial Pass Class 4, heavy commercial Class 4, heavy commercial Pass Class 34, heavy commercial IC3, Class 34, Heavy commercial Class 4, heavy commercial Class 4, heavy commercial Class 4, heavy commercial Class BS Meet ADA recommendation Anti-splip resistance R9 (stone embossed can reach R10) Pass Class 4, heavy commercial Class 33, Heavy commercial	

LEED SCORECARD

LEED was developed to address all buildings everywhere, regardless of where they are in their life cycle. From hospitals to data centers, from historical buildings to those still in the design phase, there is a LEED certification programm for every building. Our products will contribute value to a building's LEED v4 Scorecard in the following LEED certification programm categories recognized by the USGBC as per following

LEED programm certification	Category	Credit title	LEED points attainable	Credit description	How our product contribute to obtain LEED points
may .		Credit 1: Enhanced Indoor Air Quality Strategies - Option 2 Additional Enhanced IAQ Strategie - option D	1 point ID&C, 2 points Retail CI		1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is Floorscore certified.
	Indoor Environmental	Credit 2: Low-Emitting Materials - Optionl Flooring	1 point	productivity, and	1. VOC emission are less than 0.5mg/m3. 2. The products is Floorscore certified. 1. Formaldehyde emission are less than 0.5mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is Floorscore certified. The product has a high acoustic performance. IIC and STC test report are available on request
BD+C	Quality	Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 points	To establish better quality indoor air in the building	
Building Design and Construction		Credit 9: Acoustic Performance	2 points		
		Credit 3: sourcing of raw material - Recycled Content - Option 2	1 point		The products has a Natural Cork Underlay pre attached. Natural cork underlay contains at least 95% pre-consumer content
Applies to buildings that are being newly constructed or going through a major renovation; includes New Construction, Core & Shell, Schools, Retail, Hospitality, Data Centers, Warehouses & Distribution Centers, and Health	Material & Resource	Credit 4: Material ingredient - Option 2	1 point	Minimize the use and generation of harmful substances	he product is 100% REACH compliant
		Credit 6 - PBT source reduction: lead, cadmium and copper	1 point	To reduce the release of persistent, bioaccumulative, and toxic chemicals	The product is free of lead, cadmium and copper
Building Operations and Maintenance	Material & Resource	Credit 3: Purchasing - Facility maintenance and renovation	1 point		1. The product is 100% REACH compliant 2. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 3. Test repost according to ISO 16000 is available on request. 3. The product is Floorscore certified.
Applies to existing buildings that are undergoing improvement work.					

LEED programm certification	Category	Credit title	LEED points attainable	Credit description	How our product contribute to obtain LEED points
HOMES	Indoor Environmental Quality	Credit 2: Contaminant Control - Option 4 Air Testing	1 point	Demonstrate that contaminants do not exceed concentration levels listed	The products is Floorscore certified.
Homes		Credit 7: Low-Emitting Materials	0.5 point	To reduce occupants ' exposure to airborne chemical contaminants	The product is Floorscore certified and meet the requirements of CA Section 01350. The product is made with ULEF or non-added formaldehyde material
Applies to single family homes, low-rise multi-family (one to three stories), or mid-rise multi-family (four to six stories); includes Homes and Multifamily Lowrise and Multifamily Midrise	Material & Resource	Prerequiste - Durability management	0 point (Prerequiste)	To promote durability and performance of the building	The product is water resistant
Interior Design and Construction	Indoor Environmental	Credit 1: Enhanced Indoor Air Quality Strategies - Option 2 Additional Enhanced IAQ Strategies - option D	1 point ID&C, 2 points Retail CI	contaminants that can damage air quality, human	1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is Floorscore certified.
		Credit 2: Low-Emitting Materials - Option1 Flooring	1 point		1. VOC emission are less than 0.5mg/m3. 2. The products is Floorscore certified.
	Quality	Quality Assessment - 2 points quality indoor air 0	1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is Floorscore certified.		
		Credit 9: Acoustic Performance	2 points	To provide workspaces and classrooms effective acoustic	The product has a high acoustic performance. IIC and STC test report are available on request
Applies to projects that are a complete interior fit-out; includes Commercial Interiors, Retail and Hospitality	Material & Resource	Credit 4: Material ingredient - Option 2	1 point	Minimize the use and generation of harmful substances	The product is 100% REACH compliant

WELL certified					
The WELL Building Standard is founded on the understanding that facets of our environment interact with personal, genetic and behavioral factors to shape our overall health and					
Feature 01. Air quality standards					
Requirement		Concept score	How our product contribute		
	•		to obtain WELL level certification		
	The following conditions are met:		a. Formaldehyde emission are less than		
Part 1. Standards For Volatile Substances	a. Formaldehyde levels less than 27ppb (0.027ppm)	PRECONDITION	0.05mg/m3.		
rait 1. Standards For volatile Substances	b. Total volatile organic compounds less than 500ug/m3	FRECONDITION	1 71 1 1 1		
	(0.5mg/m3)		b. The total volatile organic compounds are		
	, ,		less than 0.5mg/m3.		
Feature 04. VOC Reduction					
Requirement			How our product contribute to obtain WELL		
			level certification		

	The VOC limits of newly applied paints and coating meet one of the following requirements:		a. The VOC limits for California Air Resources Board (CARB) are less than 0.11ppm.
Part 1. Interior Paints and Coatings	a. 100% of installed products meet California Air Resources Board (CARB) 2007, Suggested Control Measure (SCM) for Architectural Coatings, or South Coast Air Quality Management District (SCAQMD) Rule 1113, effective June 3, 2011 for VOC content.		b. Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.1-2010). The product is FloorScore certified
The VOC emissions of all newly installed flooring must meet all limits set by the following, as applicable: a. California Department of Public Health (CDPH) Standard Method v1.1-2010.		PRECONDITION	Conforms to the CDPH/EHLB Standard Method vl.1-2010 (California Section 01350), effective January 1, 2012, for the school classroom and private office parameters when modeled as Flooring. The product is FloorScore certified
	Feature 11. Fundamental Material Safety	L	
	Requirement	Concept score	How our product contribute to obtain WELL level certification
Part 1. Asbestos and Lead Restriction	rt 1. Asbestos and Lead Restriction All newly-installed building materials meet the following materials composition requirements:		a. No asbestos b. The product contain less than 100 ppm.
Part 2. Lead Abatement			The product contain less than 90 ppm.
Part 3. Asbestos Abatement			The product contain less than 90 ppm.
	Feature 25. Toxic Material Reduction		
	Requirement	Concept score	How our product contribute to obtain WELL level certification
Part 2. Flame Retardant Limitation	Halogenated flame retardants are limited in the following components to 0.01% (100 ppm) to the extent allowable by local	OPTIMIZATION	The product don't contain halogenated flame retardants
Part 3. Phthalate (Plasticizers) Limitation	DEHP, DBP, BBP, DINP, DIDP or DNOP (often found in polyvinyl chloride [PVC]) are limited in the following components to 0.01% (100 ppm): a. Flooring, including resilient and hard surface flooring and carpet. b. Wall coverings, window blinds and shades, shower curtains, furniture and upholstery.	OPTIMIZATION	In accordance with US Consumer Product Safety Improvement Act 2008 (CPSIA) (H.R. 4040) Title I, Section 108 & California Proposition 65 & Annex XV II item 51&52 of the REACH Regulation (EC) No. 1907/2006 and amendment No. 552/2009, the product contains less than 100ppm.
Part 5. Urea-Formaldehyde Restriction	Urea-formaldehyde presence is limited in the following components to 100 ppm:	OPTIMIZATION	The product contains urea-formaldehyde less than 100ppm.

	Feature 74. Exterior Noise Intrusion					
Requirement			How our product contribute to obtain WELL level certification			
Part 1. Sound Pressure Level	Each regularly occupied space meets the following sound pressure level as mesured when the space and adjacent spaces are unoccupied, but within 1 hour of normal business hours:		1. The product has IIC = 69 according to the standard ASTM E492-09			
	Feature 79. Internally Generated Noise					
	Requirement	Concept score	How our product contribute to obtain WELL level certification			
Part 1. Sound Masking Limits	If sound masking systems are used, sound levels fall within the following range, when measured from the nearest workspace:	OPTIMIZATION	1. The product has IIC = 69 according to the standard ASTM E492-09			