

## SAPPHIRE COLLECTION

Product	Overall Thickness	5mm (Including Pad)				
Dimensions	Width and Length	9" W x 72.5" L				
Packaging (Per Carton)		5 Planks 22.60 Sq.Ft. 39.58 Lbs.				
		High Definition Decor Film – Embossed In Register				
	Top Layers	Quartz-Enhanced Acrylic Coating				
		20 Mil Wear Layer				
Construction	Core	4mm Stone Composite Flooring (SCF) - over 70% stone 100% Virgin Material				
	Density	≥ 1900 kg/m3				
	Pad	1mm Anti-microbial IXPE Foam				
	Bevel	Painted bevel				
Installation	Floating Glueless Tap-Down or G	Glue-Down				
Under Floor Heating	Approved - See installation manual for details.					
Warranty	Lifetime Residential/15 Years Ligh	t Commercial/5 Years Commercial				
Test Data						
Static Load	NALFA ANSILF-01-2011	2000 psi Class 4, Heavy Commercial				
Heat Exposure Resistance F1700	ASTM F2199 EN16511	0.03% Class 34, Heavy Commercial				
		0% Class 4, Heavy Commercial				
Swelling after submersion	NALFA LF 01-2011					
-	NALFA LF 01-2011 ASTM E492-09					
Impact Insulation Class		Class 4, Heavy Commercial				
Impact Insulation Class Sound Transmission Class	ASTM E492-09	Class 4, Heavy Commercial IIC Rating = 66				
Swelling after submersion Impact Insulation Class Sound Transmission Class Fire Rating Wear Resistance	ASTM E492-09 ASTM E413-16	Class 4, Heavy Commercial IIC Rating = 66 STC Rating = 68				
Impact Insulation Class Sound Transmission Class Fire Rating Wear Resistance Residual Indentation	ASTM E492-09 ASTM E413-16 ASTM E648/ 662	Class 4, Heavy Commercial IIC Rating = 66 STC Rating = 68 Class I				
Impact Insulation Class Sound Transmission Class Fire Rating	ASTM E492-09 ASTM E413-16 ASTM E648/ 662 NALFA LF 01-2011 ASTM F1914	Class 4, Heavy Commercial IIC Rating = 66 STC Rating = 68 Class I Class 4, Heavy Commercial Pass				
Impact Insulation Class Sound Transmission Class Fire Rating Wear Resistance Residual Indentation F1700 Impact Resistance	ASTM E492-09 ASTM E413-16 ASTM E648/ 662 NALFA LF 01-2011 ASTM F1914 EN 16511 NALFA LF01-2011	Class 4, Heavy Commercial IIC Rating = 66 STC Rating = 68 Class I Class 4, Heavy Commercial Pass Class 34, Heavy Commercial Class 4, Heavy Commercial				
Impact Insulation Class Sound Transmission Class Fire Rating Wear Resistance Residual Indentation F1700 Impact Resistance (Big Ball) Impact Resistance	ASTM E492-09         ASTM E413-16         ASTM E648/ 662         NALFA LF 01-2011         ASTM F1914         EN 16511         NALFA LF01-2011         EN 16511         NALFA LF01-2011         EN 16511	Class 4, Heavy Commercial         IIC Rating = 66         STC Rating = 68         Class I         Class 4, Heavy Commercial         Pass         Class 34, Heavy Commercial         Class 4, Heavy Commercial				

VOC	FloorScore™	Pass California 01350	
Ortho-phthalates	Prop 65	Not Detected / In Compliance	
Lead	CPSIA	None Detected	
Substances of Very High Concern (SVHC) (Mercury, Chromium VI, Cadmium, SCCp, Benzene, Xylene, Tributyltin, etc.)		Not Detected / REACH Compliant	

LEED SCORECARD					
LEED PROGRAM CERTIFICATION	CATEGOR Y	CREDIT TITLE	LEED POINTS ATTAINABLE	CREDIT DESCRIPTION	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS
BD + C Building Design and Construction Indoor Environme		Credit 1: Enhanced Indoor Air Quality Strategies - Option 2 Additional Enhanced IAQ Strategy - Option D	1 Point ID&C 2 Points Retail Cl	To reduce concentrations of chemicals that can damage air quality, human health, productivity, and the environment.	<ol> <li>Formaldehyde emissions are less than</li> <li>0.05mg/m3, TVOCs are less than 0.5mg/m3.</li> <li>The product is FloorScore™ certified.</li> </ol>
	Environmen	Credit 2: Low-Emitting Materials - Option 1 Flooring	1 Point		<ol> <li>VOC emissions are less than 0.5mg/m3.</li> <li>The product is FloorScore<sup>™</sup> certified.</li> </ol>
Applies to buildings	tal Quality	Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 Points	To establish better quality indoor air in the building	<ol> <li>Formaldehyde emissions and TVOCs are less than 0.05mg/m3.</li> <li>The product is FloorScore™ certified.</li> </ol>
that are being newly constructed or going through a major renovation; includes New Construction,		Credit 9: Acoustic Performance	2 Points	To provide effective acoustic design	The product has a high acoustic performance. IIC and STC test reports are available on request.
Core & Shell, Schools, Retail, Hospitality, Data Centers, Warehouses & Distribution Centers, and Healthcare Material & Resource		Credit 4: Material ingredient - Option 2	1 Point	Minimize the use and generation of harmful substances	The 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
O + M Building Operations and Maintenance	Material & Resource	Credit 3: Purchasing - Facility maintenance and renovation	1 Point	To reduce the environmental harm from materials used in building renovations	<ol> <li>The product is 100% REACH compliant.</li> <li>Formaldehyde emissions and TVOCs are less than 0.05mg/m3.</li> <li>The product is FloorScore™ certified.</li> </ol>
HOMES Applies to single family homes, low-rise multi- family (one to three	Indoor Environmen tal Quality	Credit 2: Containment Control - Option 4 Air Testing	1 Point	Demonstrate that contaminants do not exceed concentration levels listed	The product is FloorScore™ certified.
stories), or mid-rise multi-family (four to six stories). Mate	Material & Resource	Credit 7: Low-Emitting Materials	0.5 Point	To reduce occupant's exposure to airborne chemical contaminants	The product is FloorScore™ certified and meets the requirements of CA Section 01350. The product is made with ULEF or non-added formaldehyde material
ID & C Interior Design and Construction Applies to projects that are a complete interior fit- out; includes Commercial Indoor Environmen tal Quality	Credit 1: Enhanced Indoor Air Quality Strategies - Option 2 Additional Enhanced IAQ Strategies - Option D	1 Point ID&C 2 Points Retail Cl	To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.	<ol> <li>Formaldehyde emissions and TVOCs are less than 0.05mg/m3.</li> <li>The product is FloorScore™ certified.</li> </ol>	
	Credit 2: Low-Emitting Materials - Option 1 Flooring	1 Point		1. VOC emissions are less than 0.5mg/m3. 2. The product is FloorScore™ certified.	
		Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 Points	To establish better quality indoor air in the building	<ol> <li>Formaldehyde emissions and TVOCs are less than 0.05mg/m3.</li> <li>The product is FloorScore™ certified.</li> </ol>

	Credit 9: Acoustic Performance	2 Points	To provide workspaces and classrooms effective acoustic design	The product has a high acoustic performance. IIC and STC test reports ar available on request.
Material & Resource		1 Point	Minimize the use and generation of harmful substances	The product is FloorScore™ certified.

## WELL SCORECARD

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 well-being. By compiling leading practices in building design and management and referencing existing standards and best practice guidelines set by governmental and professional organizations, WELL works to harmonize and clarify existing thresholds and requirements.

AIR					
	Feature 01. Air Quality	Standards			
REQUIREMENT		CONCEPT SCORE	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS		
Part 1. Standards for Volatile Substances	The following conditions are met: a. Formaldehyde levels less than 27ppb (0.027ppm) b. Total volatile organic compounds less than 500ug/ m3 (0.5mg/m3)	PRECONDITION	a. Formaldehyde emissions are less than 0.05mg/m3 b. Total volatile organic compounds less than 500ug/m3 (0.5mg/m3)		
	Feature 04. VOC Re	eduction			
REQUIREMENT		CONCEPT SCORE	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS		
Part 1. Interior Paints and	The VOC limits of newly applied paints and coatings meet one of the following requirements: a. 100 % of installed products meet California Air		a. The VOC limits for California Air Resources Board (CARB) are less than 0.11ppm. b. Measured Concentration of Total		
Coatings	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.	PRECONDITION	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.		
Part 3. Flooring	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 v1. 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					
REQUIREMENT		CONCEPT SCORE	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS		
Part 1. Asbestos and Lead Restriction	All newly-installed building materials meet the following materials composition requirements: a. No asbestos. b. Not more than 100 ppm (by weight) added	PRECONDITION	a. No asbestos. b. The product contains less than100 ppm.		
Part 2. Lead Abatement	For repair, renovation or painting on buildings constructed prior to any applicable laws banning or restricting lead paint, lead evaluation and abatement.	PRECONDITION	The product contains less than 90 ppm.		

Part 3. Asbestos Abatement	To reduce hazards in buildings constructed prior to any applicable laws banning or restricting asbestos, the following testing evaluation and abatement.	PRECONDITION	The product contains less than 90 ppm.
	Feature 25. Toxic Materi	al Reduction	
REQUIREMENT		CONCEPT SCORE	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS
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 code: a. Window and waterproofing membranes, door and window frames and siding. b. Flooring, ceiling tiles and wall coverings. c. Piping and electrical cables, conduits and junction boxes. d. Sound and thermal insulation.	OPTIMIZATION	The product does not contain halogenated flame retardants
Part 3. Phthalate Plasticizers) Limitation Part 3. Phthalate Plasticizers) Limitation Plasticizers) Limitation Plasticize		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 than100ppm.
Part 5. Urea- Formaldehyde Restriction	Urea-formaldehyde presence is limited in the following components to 100 ppm: a. Furniture or any composite wood products. b. Laminating adhesives and resins. c. Thermal insulation.	OPTIMIZATION	The product contains urea-formaldehyde less than 100ppm.
COMFORT			
	Feature 74. Exterior No	se Intrusion	
REQUIREMENT		CONCEPT SCORE	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS
Part 1. Sound Pressure Level	Each regularly occupied space meets the following sound pressure level as measured when the space and adjacent spaces are unoccupied, but within 1 hour of normal business hours: a. Average sound pressure level from outside noise intrusion does not exceed 50 dBA.		1. The product has IIC = 66 according to the standard ASTM E492-09
	Feature 79. Internally Ger	nerated Noise	
REQUIREMENT		CONCEPT SCORE	HOW OUR PRODUCTS CONTRIBUTE TO OBTAIN LEED POINTS
Part 1. Sound Masking Limits If sound masking systems are used, sound levels fall within the following range, when measured from the nearest work space: a. Open workspaces: 45 - 48 dBA. b. Enclosed offices: 40 - 42 dBA		OPTIMIZATION	1. The product has IIC = 66 according to the standard ASTM E492-09