CHESTNUTHILL

MINERALCORE LUXURY VINYL TILE



- trinity tile -



Watertown
COVER: Watertown



TRINITY TILE INTRODUCES CHESTNUTHILL MINERALCORE

MINERALCORE luxury vinyl floor's structure is close to LVT, however there are two main aspects that make MINERALCOE very different.

MINERALCORE is mostly made of limestone, rather than PVC. Unlike LVT or WPC products, MINERALCORE contains 0% plasticizers, which are chemical additives used during manufacturing to make the PVC softer and easier to handle. The combination of the two makes for an extra rigid and much more stable product in relation to temperature variations, as well as sunlight and indentation resistance.



Corey Hill

CONTENTS

WHY MINERALCORE 06

MINERALCORE vs. LVT & WPC..... page 06.
High Temperature Resistance..... page 09.
Direct Sunlight Exposure..... page 10.
No Telegraphing..... page 12.
Easy Install..... page 13.
Click Strength | Tight Lock..... page 13.
Expansion Joints..... page 14.
Indentation Resistance..... page 16.

QUARTZ FINISH 18

Scratch Test 3M Pad..... page 18.
Scratch Test Air Sander..... page 19.

COLOR PALETTE 21

Allston, Mission Hill, Cambridge, Heath..... page 22.
Roxbury, Newton, Manet, Olmsted Park..... page 23.
Watertown, Beaconsfield, Bay Village, Devon..... page 24.
Aspinwall Hill, Edge Hill, Corey Hill, Riverway..... page 25.
Fisher Hill, Wellesley, Auburndale, Brighton..... page 26.

TECHNICAL DOCUMENTS 28

Specification Sheet..... page 28.
Environment..... page 29.

WHY MINERALCORE

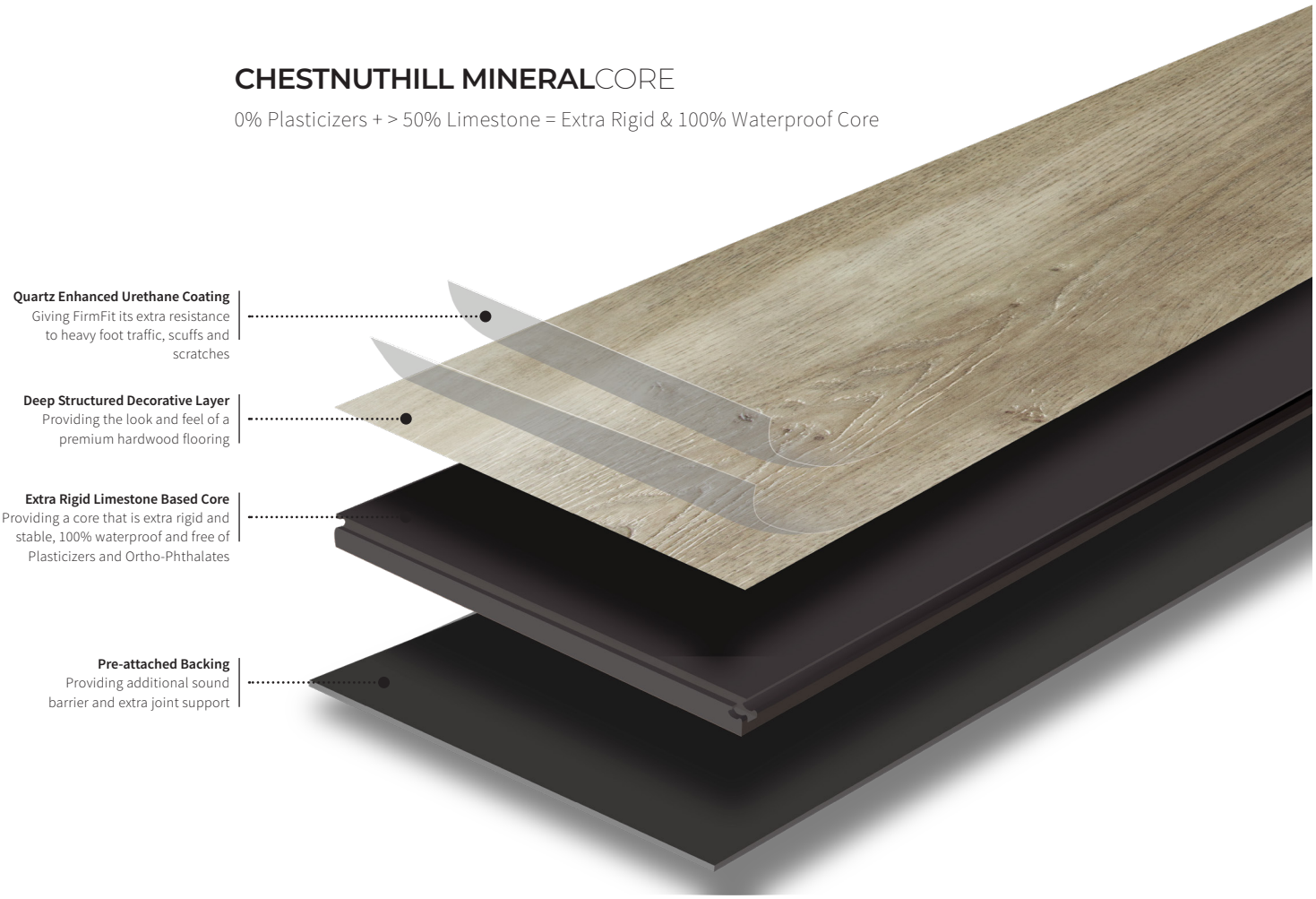
GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2904

Why is CHESTNUTHILL more rigid than LVT & WPC?

MineralCore technology is a patented process of extruding the core used in LVT which allows us to take out plasticizers* entirely from the process of making the PVC, This results in a higher ratio of limestone in the composition of the core creating a stronger and more rigid core than ever before. While regular LVT is too flexible to pre-attach a backing, CHESTNUTHILL comes with an EVA pre-attached backing. No underlay or expensive leveling compounds to purchase.

CHESTNUTHILL MINERALCORE

0% Plasticizers + > 50% Limestone = Extra Rigid & 100% Waterproof Core



*Plasticizers are additives that increase the plasticity or fluidity of a material, mostly used in PVC to make it flexible additives that increase the plasticity or fluidity of a material, mostly used in PVC to make it flexible.

MINERALCORE VS. OTHER GLUE-LESS FLOORING SOLUTIONS

		MINERALCORE LVT	GLUELESS LVT	WPC	LAMINATE
1.	100% WATERPROOF	√	√	√	X
2.	STABLE TO HIGH TEMPERATURES	√	X	X	√
3.	STABLE TO SUNLIGHT	√	X	X	√
4.	LARGE AREA INSTALLATION WITHOUT TRANSITIONS (6400ft^2)	√	X	√	X
5.	EXTRA RESISTANT TO IMPACTS & HEAVY STA	√	√	X	√
6.	NO ACCLIMATION REQUIRED	√	X	√	X
7.	NO TELEGRAPHING OF SMALL SUBFLOOR IMPERFECTIONS	√	X	√	√
8.	SUITABLE FOR EVERY ROOM	√	X	√	X
9.	MINIMAL SUBFLOOR PREPARATIONS	√	X	√	√
10.	EASY-TO-INSTALL	√	√	√	√
11.	SOUND ABSORBANT	√	X	√	X
12.	PLASTICZER-FREE CORE (no ortho phthalates - Prop 65 compliant)	√	X	X	√
13.	VERY LOW VOC EMISSIONS	√	√	√	X
14.	100% RECYCLABLE	√	√	√	X
	TOTAL SCORE	**14 / 14**	5 / 14	10 / 14	7 / 14

WHY MINERALCORE

Why is CHESTNUTHILL better than LVT & WPC?

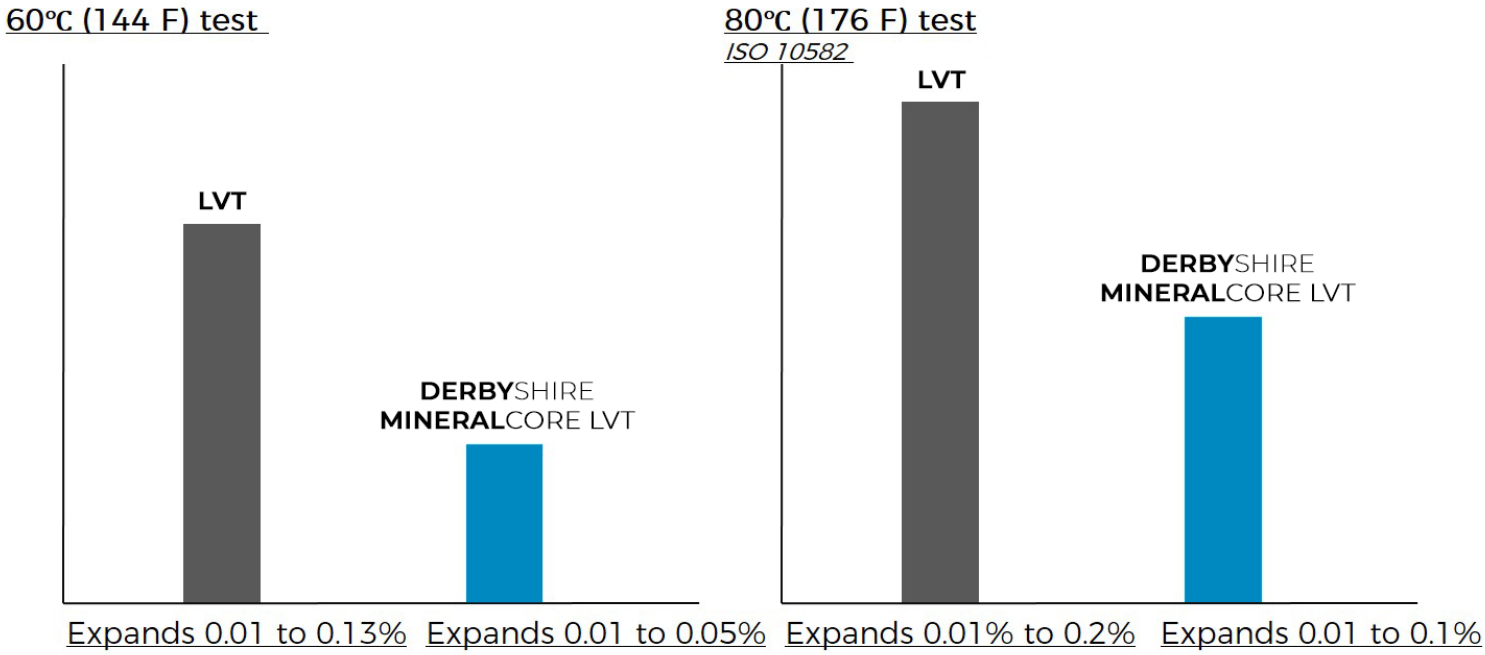
CHESTNUTHILL's limestone-based core is waterproof, dent-resistant, stable in high temps, environmentally friendly, and recyclable. This unmatched performance, combined with stylish color palette, truly makes CHESTNUTHILL a top performer for "When Life Happens".



Manet

HIGH TEMPERATURE RESISTANCE

Two times more stable



Less Expansion than LVT

Higher Heat Resistance

2 Times More Stable than LVT

Exposure to direct sunlight

The CHESTNUTHILL MineralCore construction will withstand direct exposure to sunlight making it suitable in rooms with many windows.

LVT VS. CHESTNUTHILL MINERALCORE

TOP & MIDDLE RIGHT: Standard LVT vs. MineralCore put to the sunlight test at 122 F . LVT Performance after **2 hours** of direct light exposure at 122 F . Result: With LVT the short side are lifting up and gaps are visible

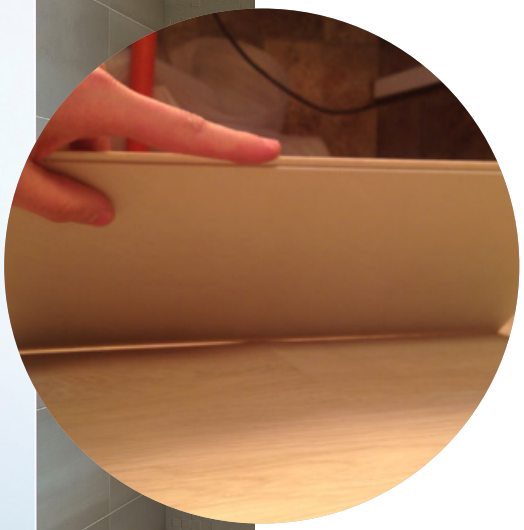
MINERALCORE PERFORMANCE: After **6 hours** of direct light exposure at 122, there is no deformation visible



Aspinwall Hill







No Telegraphing when installed over most existing sub-floors

LVT

Standard LVT telegraphing performance when installed over existing sub-floor.



CHESTNUTHILL MINERALCORE

MineralCore performance with no telegraphing when installed over most existing sub-floors



TILE



CONCRETE



WOOD



Click strength with Tight Lock

STANDARD LVT



Easy Install



CUT WITH A SIMPLE UTILITY KNIFE

No Acclimation necessary If not exposed to extreme temps in the 12 hours before installation

TIGHT LOCK

Available with an Easy Tap-Down End Lock for Easy Installation



Large Rooms and Commercial Spaces

Install 6,400 square feet without any unsightly transition moldings




Riverway



Indentation Resistance

ASTM F1914/ASTM 970/ EN 433/ ISO 24343-1

An indentation head is placed on the top of a sample, weights (steel blocks) are placed above the indentation head. The total weight and indentation head shape can be adjusted as desired in order to reproduce different situations (e.g. chair wheels, high heel shoes, furniture legs, etc). The load time can also be adjusted (e.g. high heel shoes test will only last a few minutes and a furniture legs could last for several days if required).





REGULAR WPC FLOORING HAS A LOW DENSITY, OPEN CORE CELL

Heavy furniture or high heel shoes can leave a marks on the floor, because WPC core gets compressed (the LVT top layer is not compressed at all).

CHESTNUTHILL has an extremely dense, close-cell core, which makes floor extremely resistant to indentations and impact.

SCRATCH TEST 3M PAD



Before Test:

Two similar planks are prepared. Only one difference between the two planks the left has a regular coating and the right has the Antibacterial Quartz Enhanced UV Cured Finish.

Test:

The two planks are rub by hand with a 3M pad for 30 sec.



Result:

The planks with regular finish are damaged. The surface is full covered by micro scratch which create a white mark. The Quartz Finish is almost not damaged

After Test:

The coating residue on the 3M pad clearly show that anti-scratch finish have a better resistance to scratch

Antibacterial UV Cured Quartz Finish

SCRATCH TEST AIR SANDER





Before Test:
Two similar planks are prepared. Only one difference between the two planks the left has a regular coating and the right has the Antibacterial Quartz Enhanced UV Cured Finish.

Test:
Air sander with sanding #320 paper.

Result:
Both planks are scratched for 5sec with the air sander. New #320 paper is used for each planks. After testing, the anti-scratch coating is almost not damaged but the regular coating is full of micro scratch which creates a white mark on the surface.

Close up view:
After testing, the anti-scratch finish is almost not damaged but the regular finish is full of micro scratch which creates a white mark on the surface.



TRY THE COIN TEST

A lot of powder on the coin means that coating has been removed.


Cambridge



CHESTNUTHILL

MINERALCORE LUXURY VINYL TILE



Allston

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Mission Hill

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Cambridge

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Heath

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Roxbury

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Newton

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Manet

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Olmsted Park

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Watertown

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile

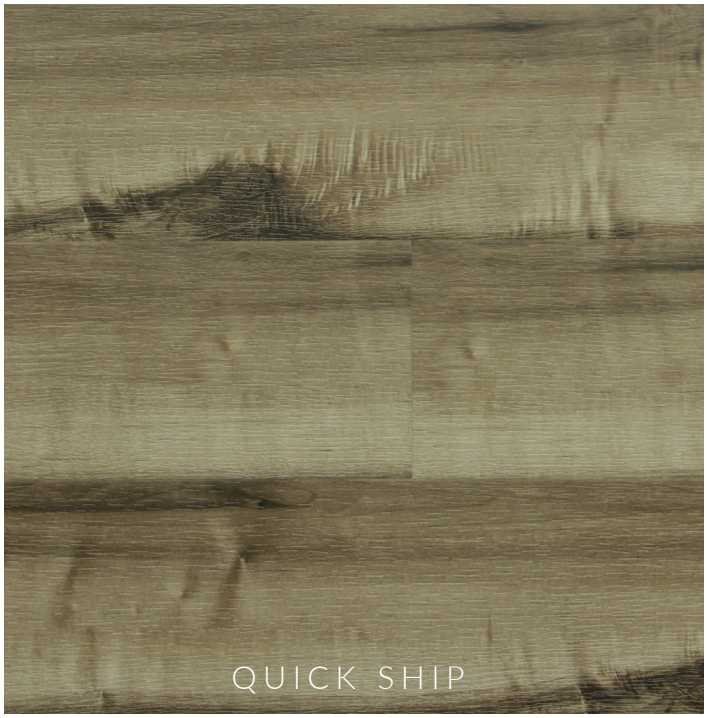


Beaconsfield

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Bay Village

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Devon

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Aspinwall Hill

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Edge Hill

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Corey Hill

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Riverway

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Fisher Hill

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Wellesley

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Auburndale

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile



Brighton

7”x48”

MINERALCORE **TIGHT LOCK**
28mil Quartz Finish Wear Layer
4mm Platform with 1mm EVA Backing
Overall Thickness 5mm

AVAILABLE CONSTRUCTIONS
22mil, 12mil, 8mil 6”x48” Glue Down Luxury Vinyl Tile


Roxbury

Version: USA *Last update: 8/17/2018*

TECHNICAL SPECIFICATIONS

Bevel	Regular	**UFH**	See IM
Lock	Tight lock	**Installation**	Floating

Layer	Thickness (mm)	Thickness (mil)	Type
Top Layer	0.7	28	Antibacterial,Quartz enhanced UV
Core	3.3	130	Waterproof thermoplastic composite
Backing Layer	1.0	39	EVA
Total	**5.0**	**197**	

CERTIFICATIONS & CHEMICAL PROPERTIES

Norm	Item	Test method	Requirement	Result
EN 14041	Emissions	EN 717-1	≤ 0.124 mg/m3	E1
Decret No2011-321	Emissions	ISO 16000	TVOC<1000μg/m3	VOC A+
GreenGuard Gold	Emissions	Spectrometry, chromatography	TVOC≤220μg	GreenGuard Gold Certified
Prop 65	Orthophthalates	Spectrometry	ND	Compliant
CPSIA	Lead	CPSC-CH-E-1002-08	≤ 90ppm	Compliant
EU REACH	PAHs	Spectrometry, chromatography	<1mg/kg	Compliant
	SVHC	Spectrometry, chromatography	≤ 0.1% (w/w)	Compliant
EN 14041	CE Certification	Multiple	Multiple	Compliant

PHYSICAL PROPERTIES

Norm	Item	Test Method	Requirement	Result
ASTM F3261	Surface Integrity	ASTM F1914	No puncture	Meets commercial requirements
	Dimensional Stability	ASTM F2199/ISO 23999	ΔW/ΔL ≤ 0.2% (commercial)	Meets commercial requirements
	Curling	ASTM F2199/ISO 23999	≤2mm	Meets commercial requirements
	Length tolerance	ISO 24337	+/- 2 mm	Meets commercial requirements
	Width tolerance	ISO 24337	+/- 0.4mm	Meets commercial requirements
	Thickness tolerance	ASTM F387	+/- 0.13mm (no backing); +/- 0.20mm (with)	Meets commercial requirements
	Squareness	ISO 24337	0.25mm	Meets commercial requirements
	Flatness	ISO 24337	Length: ≤ 0.50% (concave) ≤ 1.0% (convex)	Meets commercial requirements
	End lift	ISO 24337	≤ 0.5% of the planks length	Meets commercial requirements
	Bowing	ISO 24337	≤ 1.0% of the planks length	Meets commercial requirements
	Residual Indentation	ASTM F1914	≤0.18mm (70lbs/34kg)	Meets commercial requirements
	Static load	ASTM F970/ASTM F387	≤0.13mm	Meets commercial requirements
	Resistance to Chemicals	ASTM F925	Slight change only	Meets commercial requirements
	Resistance to Heat	ASTM F1515	▵E ≤8	Meets commercial requirements
	Resistance to light	ASTM F1514	▵E ≤8	Meets commercial requirements
ASTM F1700*	Thickness tolerance	ASTM F386	+/- 0.13mm	Pass
	Squareness	ASTM F2055	0.25mm	Pass
	Residual Indentation	ASTM F1914	≤ 8% (140 lbs/63.5kg)	Pass
	Dimensional Stability	ASTM F2199	ΔW/ΔL ≤ 0.16%	Pass
ISO 10582	Residual Indentation	ISO 24343-1	≤ 0.1mm	Pass
	Resistance to light	ISO 105-B02:1994,	≥ Grade 6	Pass
	Locking strength (23°C)	ISO 24334	Long side≥2.0 kN/m, Short side≥ 3.5	Pass
	Castor chair	ISO 4918	Only slight change	Pass
NALFA LF 01-2011	Resistance to Chemicals	NALFA LF 01-2011	Slight change only	Class 4, meets commercial
	Impact Resistance	NALFA LF 01-2011 3.5	≥ 1400mm	Class 4, meets commercial
	Impact Resistance	NALFA LF 01-2011 3.6	≥ 500mm	Class 4, meets commercial
EN 14041	Thermal Resistance (R)	EN 12667/ASTM C518	NA	Suitable for underfloor heating
	Slipperiness	EN 13893	≥ 0.3	Pass
	Reaction To fire	EN 13051-1	NA	Class Bfl -S1
	Static Electrical Propensity((volu	EN 1815	≤ 2.0kV	NA
Others	Density	ISO 23996	NA	Aound 1650 kg/m3
	Airborne sound transmission	ASTM E413-16	≥50	Pass
	Impact sound transmission	ASTM E989-6	≥50	Pass
	Reducing impact sound transm	ASTM E2190-16	NA	delta IIC=22
	Slipperiness	ANSI A137-1	≥ 0.42	Pass
	Slipperiness	DIN 51130	NA	R9
	Rolling Load	ASTM F2753	NA	NA
	Fire Resistance (CHF)	ASTM E648/NFPA 253	≥0.45	Class 1
	Abrasion Resistance	ASTM D4060	NA	NA
	Antibactial resistance	ASTM E2180	NA	>99%
	Antibactial resistance	ISO 27447	NA	>99%

*Note: Only tests specific to ASTM F1700 are listed here; for tests and requirements similar to ASTM F3261, please refer to the tests under that standard

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 certiifcation programm categories recognized by the USGBC as per following

LEED Programme Certifcation	Category	Credit Title	LEED Points Attainable	Credit Description	How our product contributes to obtaining LEED points
 Building Design and Construction	**Indoor Environmental Quality**	Credit 1: Enhanced Indoor Air Quality Strategies – Option 2 Additional Enhanced IAQ Strategie - option D	1 point ID&C, 2 points Retail CI	To reduce concentrations of chemical that can damage air quality, human health, productivity, and the environment.	1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is GreenGuard Gold certified.
		Credit 2: Low-Emitting Materials – Option1 Flooring	1 point		1. VOC emission are less than 0.5mg/m3. 2. The products is GreenGuard Gold certified.
		Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 points	To establish better quality indoor air in the building	1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is GreenGuard Gold
		Credit 9: Acoustic Performance	2 points	To provide effective acoustic design	The product has a high acoustic performance. IIC and STC test report are available on request
	Material & Resource	Credit 3: sourcing of raw material - Recycled Content – Option 2	1 point	Increase demand for building products that incorporate recycled content materials	The products has a Natural Cork Underlay pre attached. Natural cork underlay contains at least 95% pre-consumer content
		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
 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	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 GreenGuard Gold certified.
 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 GreenGuard Gold certified.
		Credit 7: Low-Emitting Materials	0.5 point	To reduce occupants' exposure to airborne chemical contaminants	The product is GreenGuard Gold certified and meet the requirements of CA Section 01350. The product is made with ULEF or non-added formaldehyde material
	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 Quality**	Credit 1: Enhanced Indoor Air Quality Strategies – Option 2 Additional Enhanced IAQ Strategies - option D	1 point ID&C, 2 points Retail CI	To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.	1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is GreenGuard Gold certified.
		Credit 2: Low-Emitting Materials – Option1 Flooring	1 point		1. VOC emission are less than 0.5mg/m3. 2. The products is GreenGuard Gold certified.
		Credit 4: Indoor Air Quality Assessment - Option 2 Air Testing	2 points	To establish better quality indoor air in the building	1. Formaldehyde emission are less than 0.05mg/m3, TVOCs are less than 0.5mg/m3. 2. The product is GreenGuard Gold certified.
		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 report are available on request
	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 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.

Facet	Feature	Part	Requirements	Concept score	How our product contribute to obtain WELL level certification
AIR	**01. Air quality standards**	**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 emission are less than 0.05mg/m3. b. The total volatile organic compounds are less than 0.5mg/m3.
	04. VOC Reduction	**1. Interior Paints and Coatings**	The VOC limits of newly applied paints and coating meet one of the following requirements: 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. At minimum 90%, by volume, meet the California Department of Public Health (CDPH) Standard Method v1.1-2010 for VOC emissions	PRECONDITION	a. The VOC limits for California Air Resources Board (CARB) are less than 0.11ppm. 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 GreenGuard Gold certified
		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 GreenGuard Gold certified
	11. Fundamental Material Safety	**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 lead.	PRECONDITION	a. No asbestos b. The product contain less than 100 ppm.
		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 contain less than 90 ppm.
		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 contain less than 90 ppm.
	25. Toxic Material Reduction	**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. e. Upholstered furniture and furnishings,	OPTIMIZATION	The product don't contain halogenated flame retardants
		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. c. Plumbing pipes and moisture barriers.	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.
		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	**74. Exterior Noise Intrusion**	**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: a. Average sound pressure level from outside noise intrusion does not exceed 50 dBA.	PRECONDITION	1. The product has IIC = 69 according to the standard ASTM E492-09 2. The product has STC = 69 according to the standard ASTM E90-09
	79. Internally Generated Noise	**Part 1. Sound Masking Limits**	If sound masking systems are used, sound levels fall within the following range, when measured from the nearest workspace: a. Open workspaces: 45 - 48 dBA. b. Enclosed offices: 40 - 42 dBA	OPTIMIZATION	1. The product has IIC = 69 according to the standard ASTM E492-09 2. The product has STC = 69 according to the standard ASTM E90-09



TRINITY TILE
Corporate Office
115 SW 49th Avenue, Ocala, Florida
34474

Phone
866.774.3390

Email
info@trinitytile.com

Web
trinitysurfaces.com

Follow
Facebook @trinitytile
Instagram @trinitytile
Twitter @trinitytile
Pinterest @trinitytile