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Hardwood SPC flooring

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Wood-rigid hybrids promise to change the game

where waterproof is king.

For the past lew years, the wood flooring category has watched as competing hard

surfaces—particularly LVT, WPC and SPC—have nipped significant market share.

Industry observers point to, among other things, the ability of these competing prod. surfaces—particularly LVI, WPC and SPC—nave inpped significant market share.

Industry observers point to, among other things, the ability of these competing produces to offer concurrence realistic realisations of wood without the shortcoming experi-Industry observers point to, among other things, the ability of these competing products to offer consumers realistic replications of wood without the shortcomings associated and the state of the stat ucts to ofter consumers realistic repreations or wood without the shortcomings associated with natural materials such as wood. On top of that, these alternative products are GEOWGOD-CALI BRANDS

often available at the fraction of the cost of the real thing. ten available at the traction of the cost of the real timing.

But wood flooring suppliers have gotten wise and are increasingly developing and restrict modules that offer the best of both worlds. The recent ambiforation But wood flooring suppliers have gotten wise and are increasingly developing and marketing hybrid products that offer the best of both worlds. The recent profileration marketing hybrid products that other the best of both worlds. The recent proliferation of wood-rigid core hybrid products is not only providing retailers with innovative new an approximate to differentiate themselves. of wood-rigid core hybrid products is not only providing retailers with innovative new options to self. It's also giving manufacturers an opportunity to differentiate themselves from the competition in a nascent category. options to sell. It's also giving manufacturers an opportunity to differentiate themselves from the competition in a nascent category.

Following is an overview of some of the latest wood-tigid core hybrid products currently available. rently available:

Originally launched in the spring of 2018 with a real bamboo wear layer atop a waterproof limestone com-posite core. GeoWood from Cali Brands has expanded posite core, versioned from can praints has expanded to include a real European oak wear layer. This technological breakthrough yields rock solid hardwood thoring with exceptional water resistance.

Rather than bury exceptions deep into a warranty, we chose to state up front that this is real wood on a waterproof core and gave it an overall water resistance waterproof core and gave it an overall water resistance rating," said Alex Brodkin, new product introduction

rating," said Alex Brodkin, new product introduction

manager, "GeoWood carries so many features and benefits; superior water resistance is just one selling point.

lik also more dimensionally stable, more dent resistant and easier to install than typical engineered wood floors. manager. "GeoWood carries so many features and benefits; superior water resistance is just one selling point. It's also more dimensionally stable, more dent resistant and easier to install than typical engineered wood floors. Plus, a 7-coat aluminum oxide scratch resistant finish keeps planks looking fresh."



FLOORTÉ HARDWOOD—SHAW FLOORS

Shaw Floors, maker of the Floorté resilient line, now offers retailers Shaw Floors, maker of the Floorte resulent line, how others retailers floorte Hardwood, an innovative product combining the attributes of SPC flooring with the classic character and feel that can only come SPC Hooring with the classic character and feel that can only come from genuine hardwood. Floorté Hardwood utilizes à waterproof SPC core to give consumers the stability, strength and protection they expect from the Floorté PRO collection with the

added beauty of a hardwood veneer on top. Floorté Hardwood features a click profile and can be installed quickly over an existing flooring or subfloor. An attached Soft Silence acoustical pad ensures comfort and reduction. sound



RAINTREE-AMERICAN OEM

American OEM and Hearthwood Floors are bringing the future of hardwood to the flooring industry

hardwood to the Hooring industry
with the launch of Raintree. The product's proprietary Niuja technology reinforces the natural
hardwood wear laver to protect against moisture, scratches and indentation better than trail. with the launch of Raintree. The product's proprietary Ninja technology reinforces the natural hardwood wear layer to protect against moisture, scratches and indentation better than traditional world flooring, while offering the same heaving authenticity and value adding alamans. hardwood wear layer to protect against moisture, scratches and indentation better than tradi-tional wood flooring, while offering the same beauty, authenticity and value-adding elements that make real hardwood the No. 1 flooring choice for today's consumers.

The promising Minis Des Count Guide State Part of the Property of th

at make real hardwood the No. 1 Hooring choice for today's consumers.

The proprietary Ninja Pet Guard finish seals the wood's pores. Plus, the finish is infused to provide according coratch and weaterprojectance. The Ninja H2O Corp. The proprietary Ninja Pet Guard finish seals the wood's pores. Plus, the finish is infused with aluminum oxide to provide exceptional scratch and wear resistance. The Ninja H2O Core is a seal of the World for indontation recistance. The Ninja H2O Core is with aluminum oxide to provide exceptional scratch and wear resistance. The Ninja HZO Core is not independent and in an arrival and in a second and in a secon

remtorces the wood for indentation resistance. From spills to fieels, the Ninja HZO Core is 100% waterproof and indentation resistant, and it can withstand high-traffic and heavy loads. COREtec Wood-USFLOORS

COREtec Wood truly is the best of both worlds. COREtee Wood is not a vinyl product, but rather a multi-layer product in the wood

Real wood veneers cover an innovative, mineral core to create a carefree floor with truly authentic wood grains, tones and appeal. COREtee Wood's revolutionary rigid mineral core is completely waterproof and more rigid than traditional engineered hardwood HDF and ply cores. Boasting superior indentation

armth undertoot. COREtec Wood comes in 72-inch x 7 ½-inch planks with hefty ½-inch total thickness. HDPC WATERPROOF HARDWOOD FLOORING -WELLMADE

"Wellmade's HDPC Waterproof Hardwood Flooring represents the industry's first hardwood floor that is 100% waterproof," said Steve Wagner, director of sales and marketing. "The product has a proven wagnet, unevant of sales and marketing. The product track record of success among retailers and distributors.

Wellmade's innovative waterproof process begins with its patented high-density plastic composite core whose closed cell construction is extremely dense; it eliminates air pockets and the potential for moistime absorption. Most the hardwood wear lawer is bonded directly to the ture absorption. Next the hardwood wear layer is bonded directly to the thre absorption. Next the hardwood wear layer is bonded directly to the extern. Tanical materials and eraine area coaled out from about while the system. Topical moisture and stains are sealed out from above while the

HDPC core blocks out moisture penetration from below. What's more, the product is twice as hard as solid oak and tolerant whats more, the product is twice as hard as some oak and tote to temperature fluctuations. Best of all, no acclimation is required,









Natural looks supernatural functionality

HARDWOOD

Whatis

Hardwood SPC Flooring?

DECNO hardwood SPC flooring combine the beauty of nature with structural stability. It was born from the idea of creating the same solid look and feel as traditional hardwood floors and is widely available commercially.

Based on environmental protection and sustainability, we only use precious real wood veneer on the top floor of the floor, so it maintains the authentic appearance and does not waste anything.

Decno's 25 years of technical support in the flooring industry has endowed hardwood SPC flooring with supernatural functionalities, enabling residential and commercial applications.



Structure of the Hardwood SPC Flooring

Super UV Coating:

6 undercoats & 3 finishcoats. 100% waterproof, scratch resistant, and keeps its original wood colour for a long time.

Real Wood Veneer:

Choose high-quality natural hardwood veneers. Knots, grain and natural colour variation for the best look.

Reinforced Mineral Core:

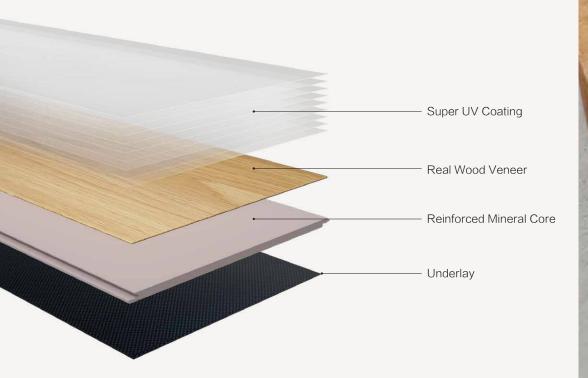
Natural calcium magnesium material better temperature stability. Strength+, durability+ and tenacity+ And it is rich in magnesium oxide, which releases magnesium ions and is beneficial to human health.

Click

DECNO uses the UNILIN Click system, which makes the floor assembly easier and tighter.

Underlay:

Mold-resistant IXPE underlay provide better sound absorption and a softer feel underfoot. Cork and poplar also are available.



TECHNICAL DATA

Characteristics	Detection Result
Wood Species	Regular Oak; European Oak; White Oak Black Walnut; Ash; Teak; Hickory
Specification	1218x165mm; 1900x190mm; 900x100mm
Veneer Thickness	0.6mm; 1.2mm; 2.0mm
Rigid Core Thickness	4.5mm; 5.0mm; 6.0mm
UV Coating	6 Undercoat, 3 Finishcoat
Underlay	IXPE; Poplar; Cork



Size at a glance

Size

(47.95"x6.50"

Size

1900x19011111

(74.80"x7.48")

Size

900x100mm

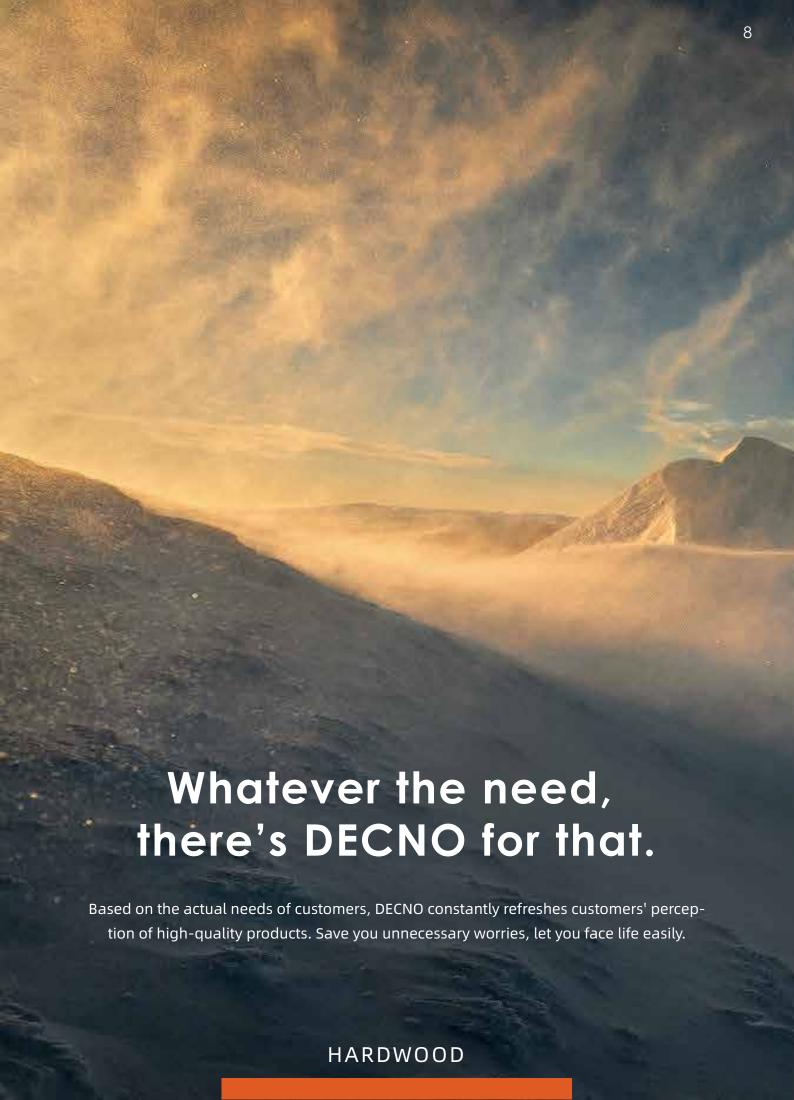
(35.43"x3.93"

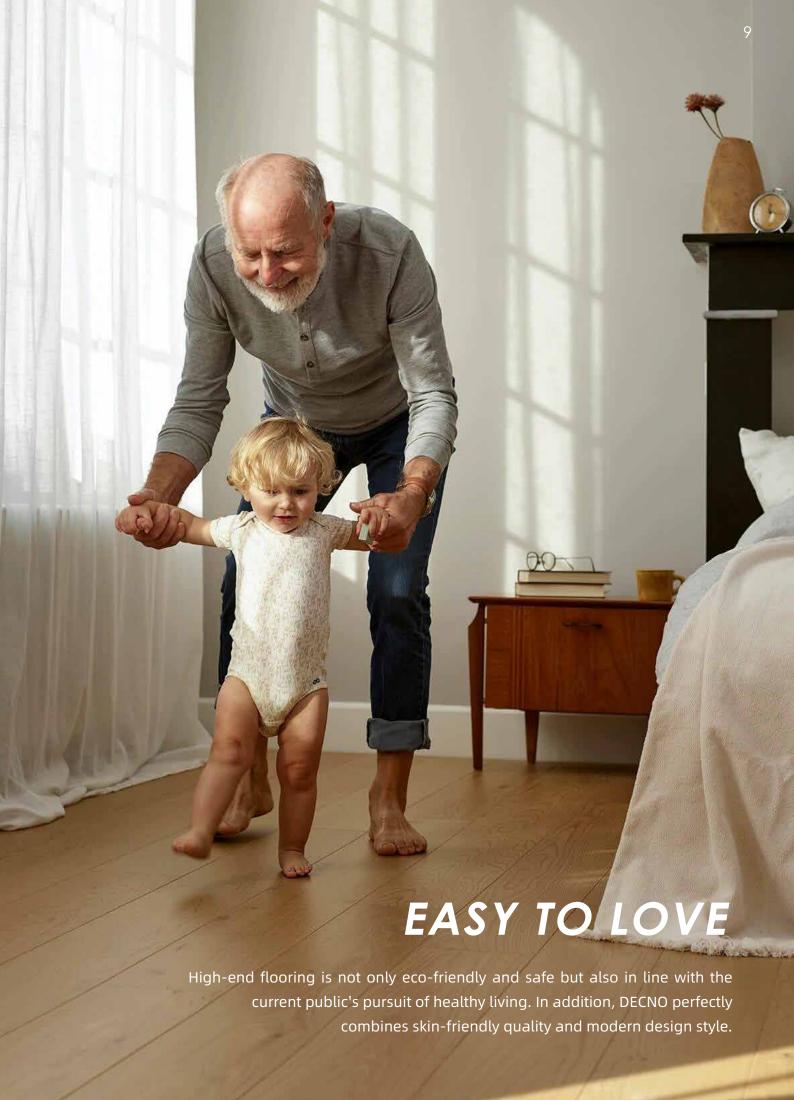
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TECHNICAL DATA

HARDWOOD SPC FLOORING

Symbol	Item	Standard	Requirement	Result
	Abrasion/ Wear Resistance	EN13329:2006	>4000	>4000
<u> </u>	Resistance to impact (Large diameter ball)	EN13329:2006	No crack	Pass
	Scratch resistance	EN438-2:2005		≥2N
	Micro Scratch resistance	EN16094:2012	No visible scratchesMSR-B1	MSR-B2
			Only few scratchesMSR-B2	
			Many well visible scratchesMSR-B3	
			A great many well visible raw and scratches,lissajous figure partly visibleMSR-B4	
			Mix of lissajous figure and great many scratches mat abrasion like area in the middleMSR-B5	
	Castor Chair test	EN425:2002	After 25,000 cycles: Delamination - None Appearance ≤ "Slight Change"	Pass
	Residual Indentation	EN ISO 24343-1:2012	≤0.1mm	0.02mm
	Resistance to staining	EN438-2:2016	5 (group 1&2) 4 (group 3)	5 (group 1&2) 5 (group 3)
	Locking strength	ISO 24334:2014		Surpass
° N Z	Dimensional stability and curling	ISO23999:2008	Length: Width: Curling:0.02%	Length: 0.1% Width: 0.02% Curling:0.02%
	Swelling	EN317:1993	24 hours immersion - -	Mean swelling: 0.38% in thickness
E.				Max swelling: 0.51% in thickness
	water absorption	EN317:1993		Mean: 0.36%
		LN017.1770		Max: 0.45%
$\qquad \qquad $	Film hardness	ISO 15148:1998		3H
B _{fI} -s1	Thermal conductivity& Thermal resistance	EN 12667:2001	Not less than 0.5m2.k/w	0.174w/m.k 0.034 /m2-k/w at 25°C
<u> </u>	Solube elements anylysis in non-surface coating materials	EN71: 1994		ND
A MATERIAL	Phthalate contect test	ISO8124-6:2018	DIBP, DBP, BBP, DEHP, DNOP≤0.001% DINP DIDP≤0.005%	ND
	Formaldehyde contect	EN717-1:2004	Class E0: Release ≤0.05mg/m	ND Class E0









The sturdy diamond core board can withstand strong impact, and the UV coating can resist the impact of sharp objects. Performs well in both home and office.











The cold environment allows Regular oak to slowly grow hardwood, which is undoubtedly an excellent wood species for making floors. Regular oak is also the favorite tree of the great poet Ivan Turgenev, who was once praised by him in prose poems.







One of the most popular wood species in Europe and America, the distinctive mountain-shaped texture is favored by European royal families and is often used to make children's cradles and high-end pianos. At the same time, the solid texture also gives it a long service life, which is the best choice for home improvement flooring.













If you need an aged, timeless look, natural white oak is sure to amaze you. The rich tones and attractive textures have a traditional feel as if witnessing changes over the centuries.

In addition, DECNO's new dyeing tech allows white oak to enter your life with another stunning appearance.



Black Walnut





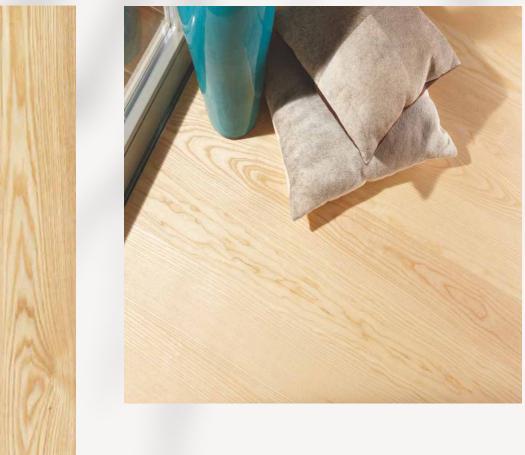
Black walnut has a very inclusive color and attractive texture pattern, which can be applied to various scenes and matched with different styles of furniture, with a slightly luxurious taste in retro.













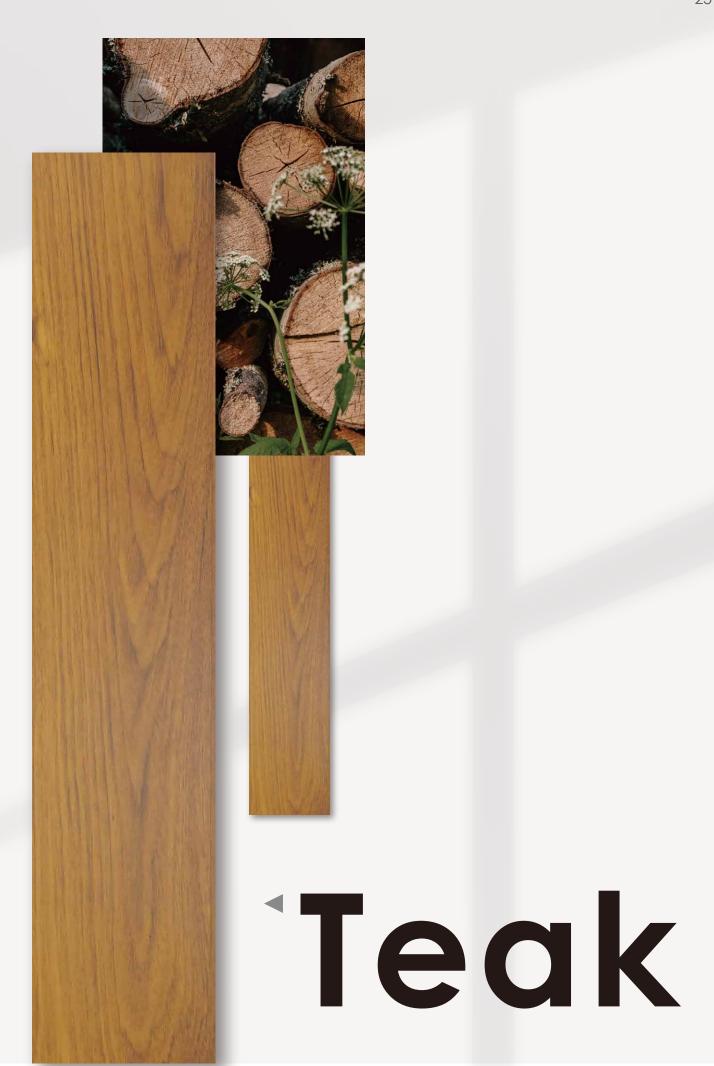
Warm, subtly shimmering tones combined with gorgeous and even textures accentuate a clean, warm style. It is an indispensable decorative element of American pastoral style design.

















Teak is recognized as a precious tree species in the world, and its unique fragrance and firm texture complement each other. The teak deck of the Titanic, which has been soaked in seawater for hundreds of years without rot, is a realistic portrayal of eternal romance.









If you're looking for a floor that has a strong visual impact on color and texture, Hickory is the way to go. Eye-catching textures and colors bring movement to your home.





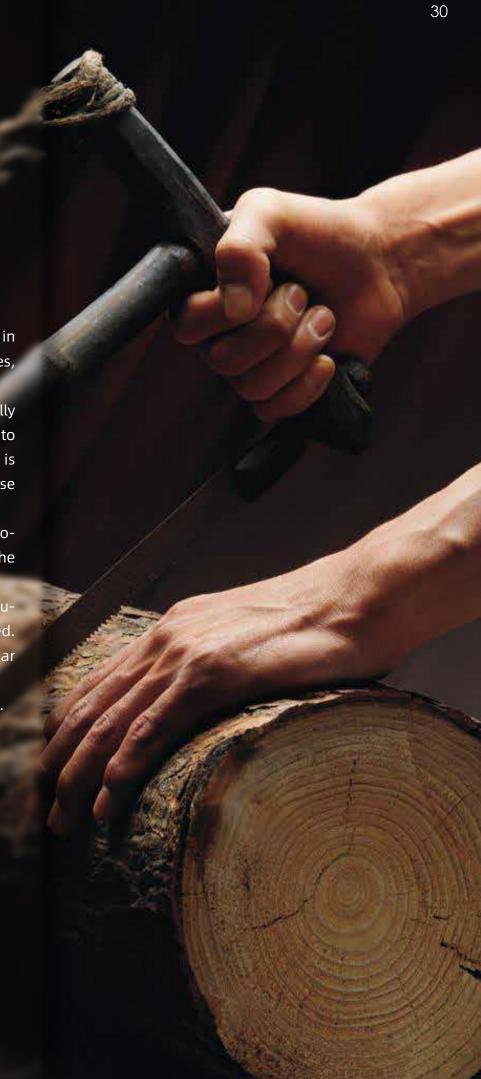
Your don't have to choose between beauty and performance.

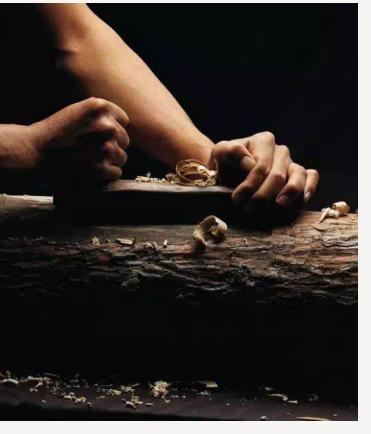
We balance beauty and performance in

3 stages: premium wood species, texture and final product.

- 1. The high-quality veneer is carefully selected from the source of the wood to retain the real visual experience and is supported by a thick and hard base material under the veneer.
- 2. The UV coating will give perfect protection to the veneer and extend the service life of the flooring.
- 3. Each finished product will be manually modified, inspected, and screened.
 Only high-quality products can appear in front of you.

You'll find your dream floor in DECNO.











Be Your Reliable Partner

DECNO 6 SYSTEMS

DECNO has established 6 systems to manage and supervise our entire production and sales process, including all the solutions you care about in the flooring business, and continuously deepen our business partnership.





ISO 9001
Quality Management System

ISO 9001 quality certification

ISO 9001 refers to a quality management system, en suring the quality of product from development, design, production, installation and service. It has a complete set of requirements for quality assurance so as to ensure the quality of product.

ISO I4001 Enviroment Management System ISO 14001 environment management system certification ISO 14001 refers to an environment management system, a system and measure for environment protection, and a set of regulations with consistency recognized in the globe.

Based on it, various organizations around the world build, implement, supervise and improve their environment I management systems.



American indoor air emission standard certification

Floor Score is a leading independent certification in the globe.

A third-party certification integrating SCS and RFCI.

After strict test and certification, the floor tiles enable indoor air quality to comply with the emission standard.



CE certification

EU safety certification

In EU market the mark of "CE" means a compulsory certification mark , all products produced by enterprises in EU or other countries must be marked with "CE" when circulated in EU market , so as to indicate that they meet the basic requirements of New Methods for Technical Coordination and Standardization of EU.



SGS international authoritative standard inspection organization SGS certification means a compliance certification conducted by SGS to targets based on standard, reg ulations, customer requirements, etc. Inspection, de tection, authentication, certification, etc. must be conducted before relevant certification.











VERIFICATION
OF CPR COMPLIANCE









Signed for and on behalf of SGS-CSTC Co., Ltd. Anji Branch

Allen Zou Lab Manager













Test Requested: EN 15501-1-2007+A1:2009 Fire classificatio Classification using data from reaction to fire Test Results: - See attached sheet Test Period:
Sample Receiving Date : JUN 19, 2019
Test Performing Date : JUN 19, 2019 To JUL 09, 2019 Signed for and on behalf of SGS-CSTC Co., Ltd. Anji Branch Allen Zou Lab Manager



















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