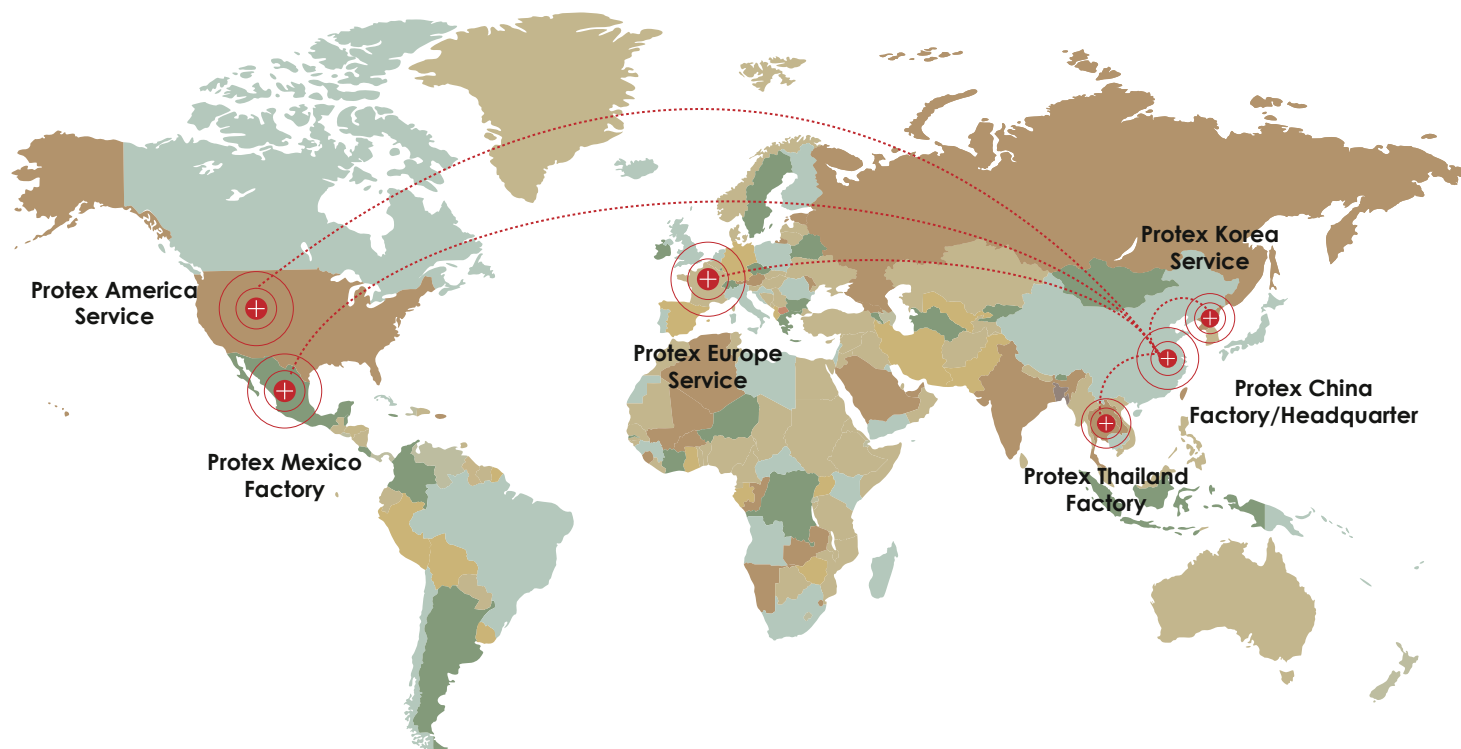


MFC FLOORING

Mineral Fiber Compound
Pvc-free Mineral Core
Something Revolutionary

About Protex



Established in 1998

Protex's China factory base was founded in Wuxi, Jiangsu Province in 1998, and relocated to Xinghua City in 2005, with over 27 years of experience.

R&D & innovation

Protex has an independent R&D team dedicated to developing unique and innovative products based on market trends and customer needs. Key innovations include MFC, E-WPC, E-SPC, PP, U-Groove SPC, and more.

Global supply chain & localized services

Protex operates production bases in China, Mexico, Thailand, and beyond, with sales offices across Europe, South Korea, and other global markets.

Variety of products

The main products currently include SPC, LVT, and WPC flooring, as well as wall panels. Protex continuously develops new flooring materials—such as MFC, CWC, MFB, and PP flooring—to meet the diverse needs of clients across various application scenarios.

Influence&Position

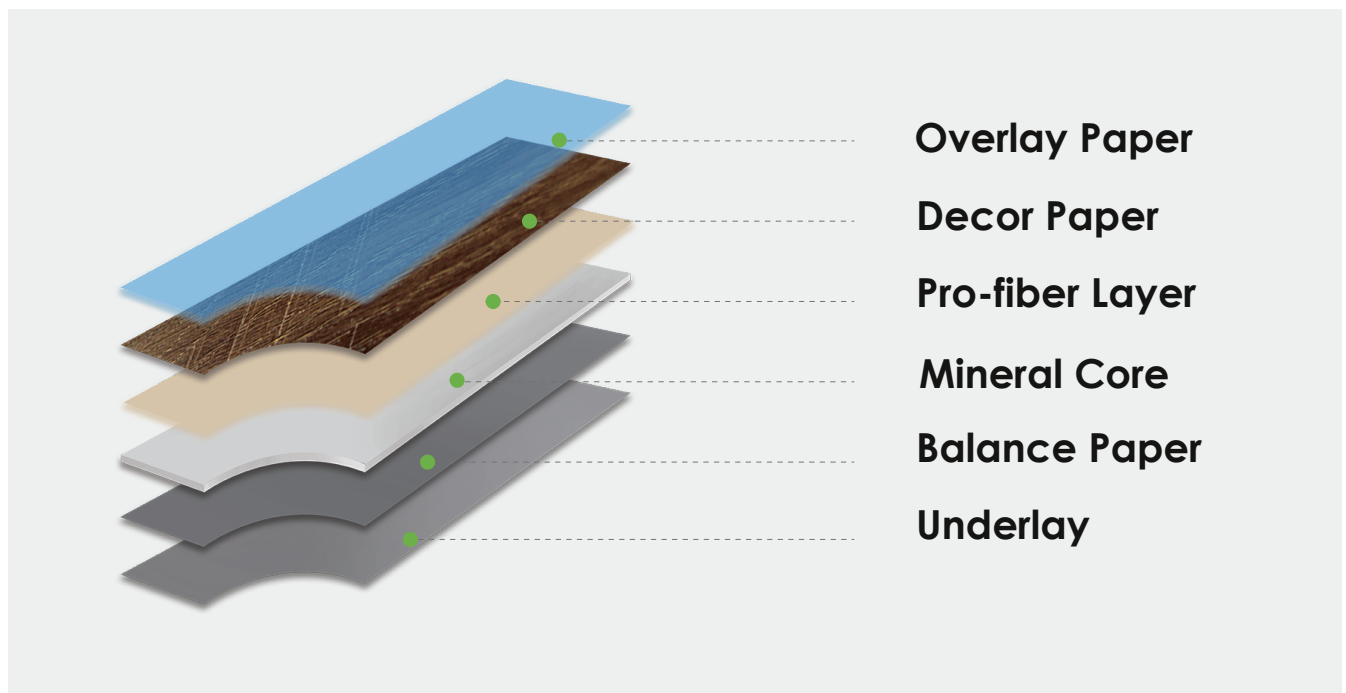
Protex exports to more than 50 countries and regions worldwide. North America is our largest market, accounting for over 50% of our exports, followed by Europe at 30%. Today, we have become a one-stop flooring supplier, dedicated to providing customers with high-quality floor covering materials and comprehensive solutions.

What is MFC

MFC is short for Mineral Fiber Compound. It is a natural mineral core that makes the respective end products, such as flooring, internal and external wall panels, furniture and a lot more.

Healthy for living, 100 % recyclable and degradable, water and fire proof.

MFC is a new type of pvc-free mineral material and serves as a core board for high-performance floor and wall coverings. Something revolutionary.



Groundbreaking Advantages Combination



100% Dimensionally Stable



Fireproof



Anti-scratch



Naturally Degradable



Energy storage



Anti-bacterial and mildew



Sound insulation



Kids and Pets Friendly



100% Versatile



Quick installation



PVC free



water proof

MFC Flooring **Advantages**



100% Dimensionally Stable



Dimensional stability without deformation, ideal for heating systems, direct sunlight, and large-area installations.



Excellent Fire Resistance



Non-combustible when exposed to open flame, effectively reducing fire risks and enhancing safety in both residential and commercial spaces.



Scratch-Resistant



Highly scratch-resistant surface that withstands daily wear and tear, keeping floors looking new—ideal for high-traffic areas.



Naturally Degradable



Made from natural materials with no plastic content, MFC flooring is naturally degradable without special disposal—leaving no burden on the environment and supporting a greener lifestyle.

MFC Flooring **Dimensions & Installation Methods**

Wood pattern



144 x 595 mm



144 x 1208 mm

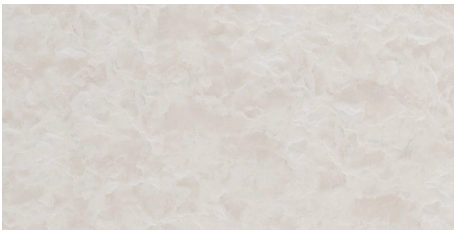


165 x 1208 mm



194 x 1208 mm

Stone Pattern

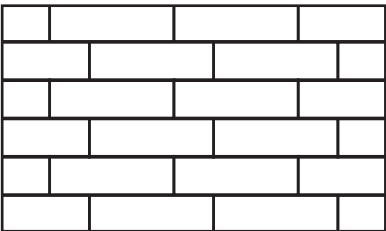


300 x 600 mm

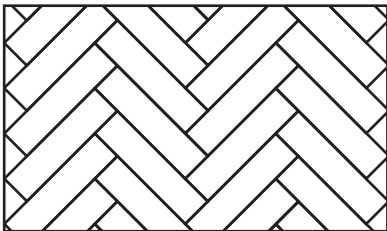


400 x 800 mm

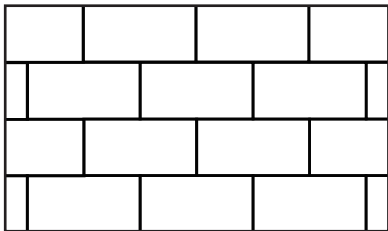
Installation



Wood Stagger



Wood Herringbone



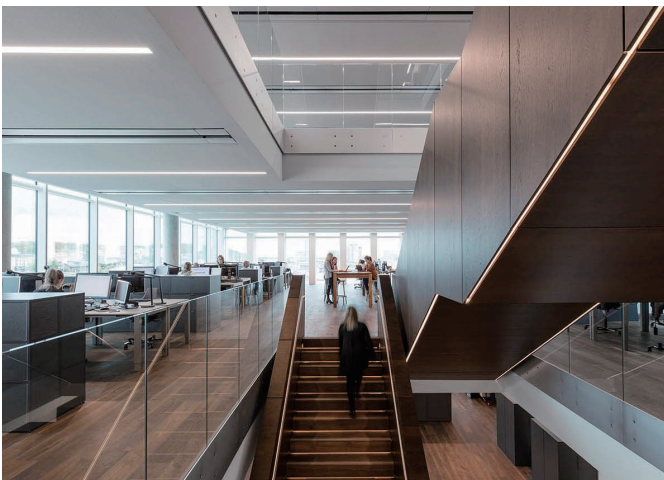
Stone Stagger

MFC Flooring **Application Area**



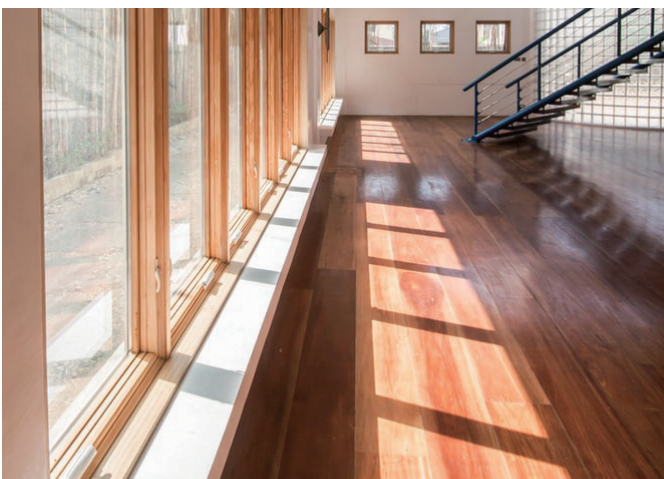
100% Dimensionally Stable

MFC flooring provides 100% dimensional stability, making large-area installation stress-free.



Strong & Safe

MFC Flooring with added fireproof and scratch-resistant properties, is a high-performance, eco-friendly solution for commercial areas.



Redefining Stability

MFC flooring resists deformation under heat or sunlight, heats efficiently with lower energy use, and is formaldehyde-free.

MFC Flooring Colour & Texture



■ PTW 0118-8



■ PTW 3608-2



■ PTW 4608-2



■ PTW 45081-3



■ PTW 03151-2



■ PTW 93081-3

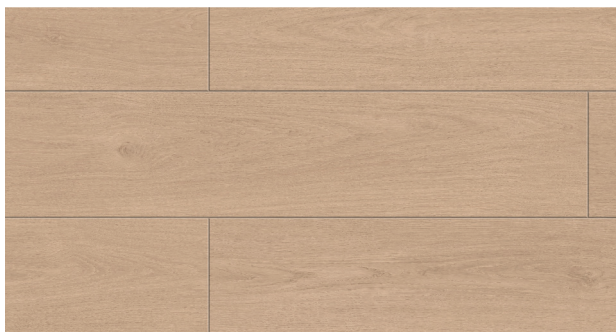


■ PTW 81151-2



■ PTW 7218-1

*Please check the sample for color reference and the picture for pattern.



■ PTW 5520-2



■ PTW 6820-1



■ PTW 7030-6



■ PTW 54142



■ PTW 1118-9



■ PTW 2509-1



■ PTW 004-2



■ PTW 6808-13

MFC Flooring Colour & Texture



■ PTW 5820-4



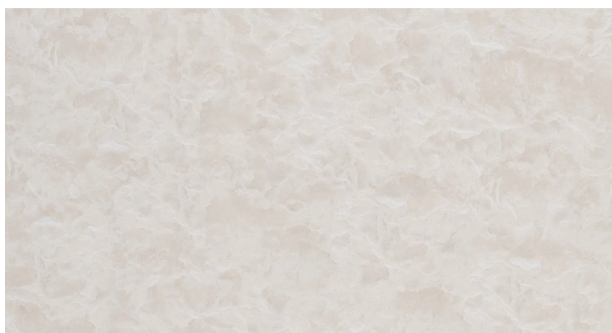
■ PTW 03142-6



■ PTW 5030-15



■ PTW 4920-5



■ PTS 05041-1



■ PTS 57051-1



■ PTS 3042



■ PTS 9609-2

MFC Flooring Technical Data Overview

Test Item		Test Method	Standard	Test result
Squareness		ISO 24337	≤ 0.25 mm	≤ 0.05 mm
Straightness		ISO 24337	≤ 0.50 mm	≤ 0.04 mm
Flatness		NALFA LF 01-2019 Section 3.12	/	Maximun single values:fw,concave=0.04 % Maximun single values:fl,concave=0.01%
Dimensional Stability (70°6h)	MD	ISO 23999	≤ 0.20 %	≤ 0.04 %
	AMD		≤ 0.20 %	≤ 0.04 %
Heat curling (70°C)	MD		≤ 1.00 mm	≤ 0.5 mm
	AMD		≤ 1.00 mm	≤ 0.5 mm
Large Ball		NALFA LF01-3.5	≥ 1200 mm(47.3") (with 340g ball)	> 1800 mm
Castor Chair	Without underlay	NALFA LF01	15000r	> 100000 r (w/o cushion)
	with 2mm underlay			> 35000 (w/ 2mm pad)
Thickness Swelling		NALFA LF01	$\leq 2.0\%$	$\leq 1.5\%$
Click Stength	Normal situation	ISO 10582	≥ 3.5 kN/m	> 7 kN/m
	soapy water 1 day 25 °C			> 5.4 kN/m
Martindale		EN 16094	MSR-A1/MSR-B1	A1 / B1
Formaldehyde		Desiccator Method	≤ 0.5 mg/l	< 0.1 mg/l
Reach SVHC		Reach SVHC	/	ND
RoHS (Heavy metals, PBBs/PBDEs,DEHP,BBP,DBP,DIBP)		RoHS Directive 2011/65/EU and (EU)2015/863	/	ND
Coefficient of Expansion		PROTEX (20-40°)	$\leq 0.06\%$	$\leq 0.01\%$
Density		ISO 23996	1.3~1.5 g/cm³	1.4 g/cm3
Water Vapor Penetration Testing		PROTEX	Testing installed flooring in 15 days: Gap ≤ 0.2 mm, Cupping of installed planks $\leq 0.15\%$ on the width, end peaking ≤ 0.5 mm . No visual defects under low angle light in the dark: peaking, cupping, telegraphing, cracking, etc..	PASS
Dimensional Stability (Big Chamber)		PROTEX	Temperature & Humidity range: 0°C (32°F), No humidity control, for 24hrs; Then @ 60°C/20% for 24hrs. Inspection: Gap ≤ 0.2 mm; Cupping of installed planks $\leq 0.15\%$ on the width. No visual defects under low angle light in the dark (peaking, cupping, telegraphing, cracking, ...).	PASS
Residual indentation		ASTM F1914	$< 8\%$, without cushion	$\leq 1\%$
Resistance to Cold		PROTEX	Temperature -18°C x 6hrs; Then room temperature for 24hrs. Repeat operation above for 3 cycles. No cracking, curling, bowing/end lift-up, delamination, etc..	PASS
Resistance to Heat		ASTM F1514	Average $\Delta E < 4.0$ after 7days exposure to 160 °F (70 °C)	PASS
Sunlight Simulation Test		PROTEX	Almost no changes 60°C x 3hrs, $\leq 0.15\%$ No obvious change, $\leq 0.15\%$	PASS
Scratch resistance		ISO1518	> 15 N	≥ 15 N

QUALITY CERTIFICATE

ISO9001

Quality Management System

ISO 9001 quality certification

ISO 9001 refers to a quality management system, ensuring 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.

ISO14001

Environment 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 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 RFL.

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.



Total Quality. Assured.

Intertek Green Leaf Mark

Green Pass for light industrial products (such as toys, building materials, furniture, stationery and daily necessities, etc.) is a third-party ecological recommendation letter based on professional ecological risk classification assessment, objective test reports and certification certificates, aiming to establish credibility. This form helps toy manufacturers, traders and retailers better cope with international hazardous substances laws and regulations, and win considerable market share and consumer confidence at home and abroad.



BSCI refers to BSCI (Business Social Compliance Initiative), which advocates the business community to comply with the social responsibility audit of global suppliers of BSCI organization members.



DIBt is a German institute that tests and issues technical approvals for building materials. The goal is to improve the working environment for floor installers while ensuring a safe indoor air quality for the final consumer.



Website



YouTube



Facebook

Protex Flooring Co., Ltd

-  Wuxi, China
-  info@protexflooring.com
-  +86 158 5271 8714

FLOORIGO B.V.

-  Enschede, The Netherlands
-  info@floorigo.com
-  +31 532 096 030

WHO
ARE
WE ?

PROTEX  **FLOORIGO®** :

Not a retailer, not a brand, not a trader.
Not just a manufacturer.

**We are your problem-solving partner in the global flooring industry,
dedicated to delivering customized ODM supply chain solutions.**

At Protex, we rise to meet challenges and innovate solutions,
exploring endless market possibilities together with you.
