

ZOLWAY

MgO Flooring (Mineral Core)

New Revolutionary Material
New Flooring Trend



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Whatsapp



Company Profile

Zhejiang Zolway Floors Co., Ltd. is a high-performance green material flooring manufacturer integrating design, research and development, production, sales and service, focusing on the production of high-quality MgO flooring, advocating sustainable environmental protection and healthy life.

MgO flooring is a new type of environmental protection floor, with zero formaldehyde, no TVOC escape, fire retardant, waterproof, moisture-proof, mildew resistant, smoke hot, wear-resistant, scratch resistant, insect resistant, anti-corrosion, no radiation, no PVC degradable, no 19 residues, easy to install, suitable for floor heating and other characteristics, can be widely used in residential commercial floor paving system.

Zolway floors has always paid attention to technology research and development and innovation, we have more than 20 years of professional flooring industry experience R & D team, committed to the floor product technology research and development and new product development, we provide customized floor solutions to meet the individual needs of different customers, at the same time, our services cover floor installation, maintenance and after-sales consulting and other comprehensive services.

Zolway floors always adhere to the "quality-oriented, customer first" corporate values. We focus on team building, encourage employees to play their potential and creativity, and jointly contribute to the development of the company. At the same time, we also actively fulfill our social responsibilities, pay attention to environmental protection and sustainable development, respond to build a green future together, and protect the earth's better tomorrow.





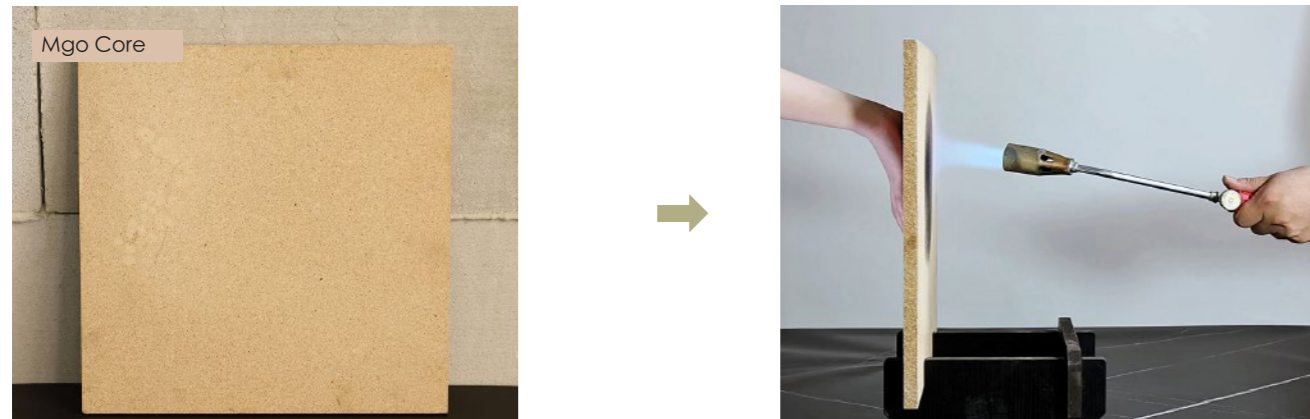
Workshop

- The company covers an area of more than 50,000 square meters of production base, the workshop is equipped with international advanced production equipment and modern environmental protection production line is committed to the production of high quality MgO flooring, strict implementation of international quality management system standards, to ensure that every link from raw material procurement to product delivery has gone through strict quality control. The total annual output of environmentally friendly flooring exceeds 20 million square meters, ensuring that the production capacity meets the needs of the vast market.
- Enterprises through the ISO 9001 quality management system certification, ISO4001 environmental management system certification, products through the Floor Score, SGS, CE and other international authority certification, to provide customers with reliable quality assurance.
- Zolway Flooring is the first batch of enterprises with mature MgO flooring production technology, and with a strong R & D team and superior production technology increasingly strong in the competitors stand out, proud to become China's MgO flooring leader



Mineral Core Performance Advantages & Test Result

Fireproof of Mineral Core

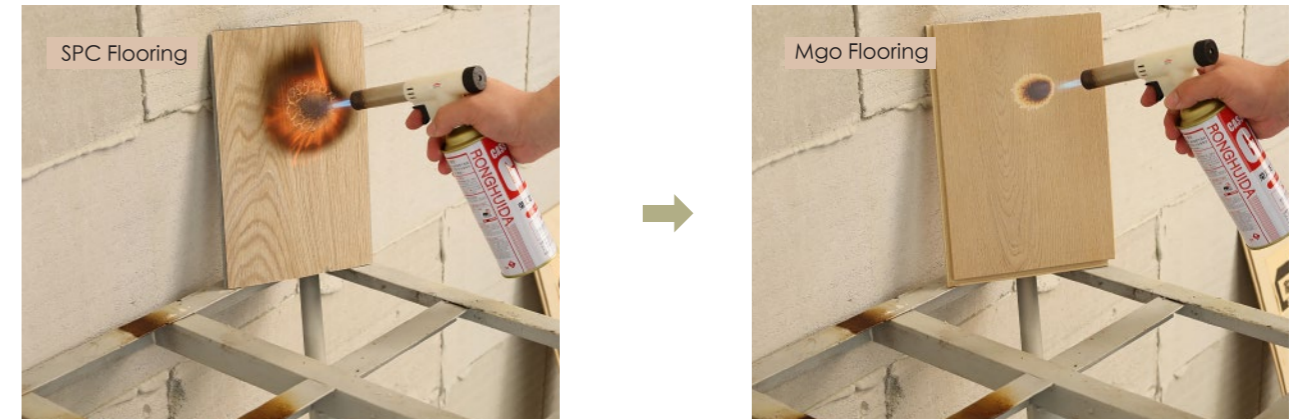


Mineral Core Advantage: We used an excellent fireproof board core, to produce more health safety, more eco- friendly and extreme stability flooring for users.

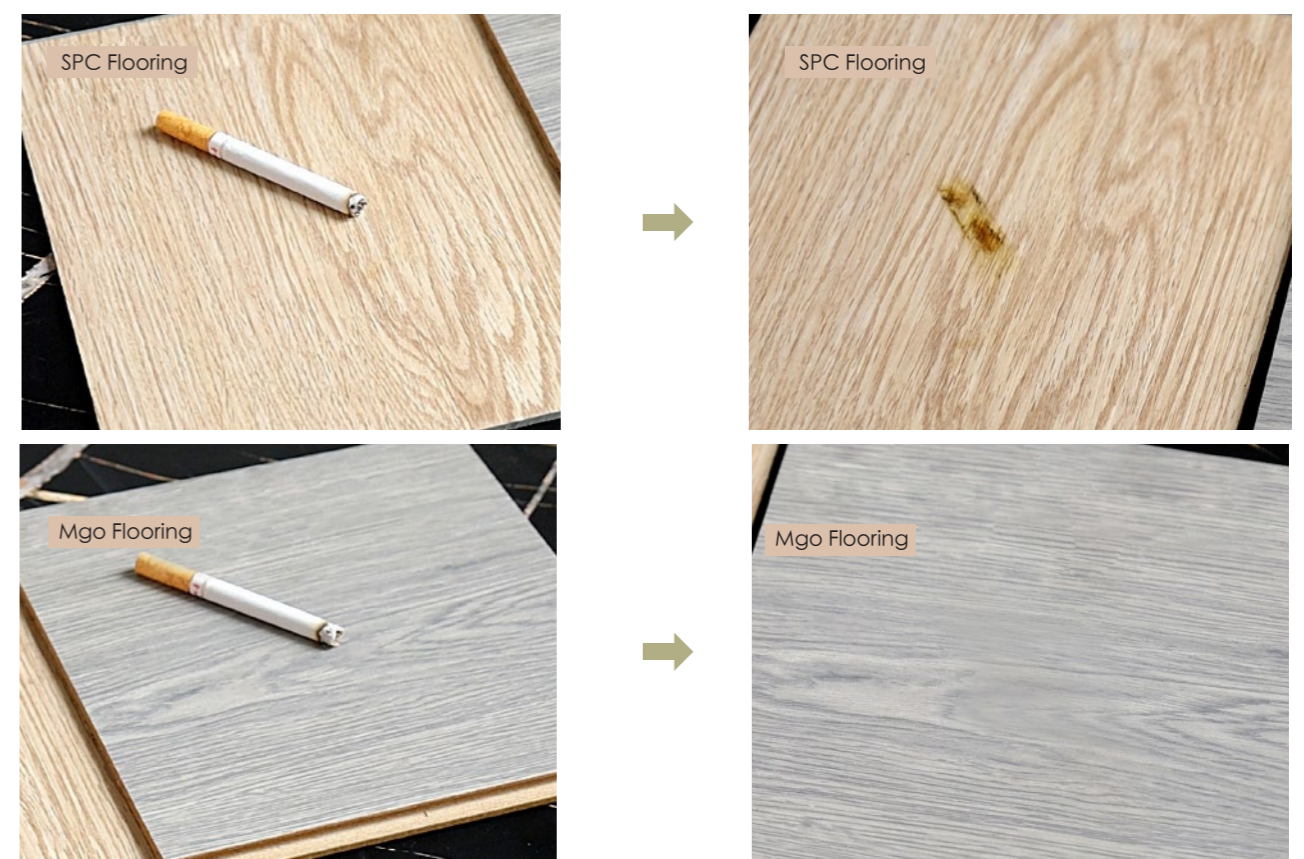


Test results: Thought to compare our MgO mineral board with various kinds of flooring material burning at after 15 minutes . In the combustion process,our MgO flooring no pungent toxic smell , no combustion, no flame, no smoke, no deformation. It can be effectively prevent the spread of fire, protect life and property safety.

Fireproof & Cigarette Burns Fire Resistance Test



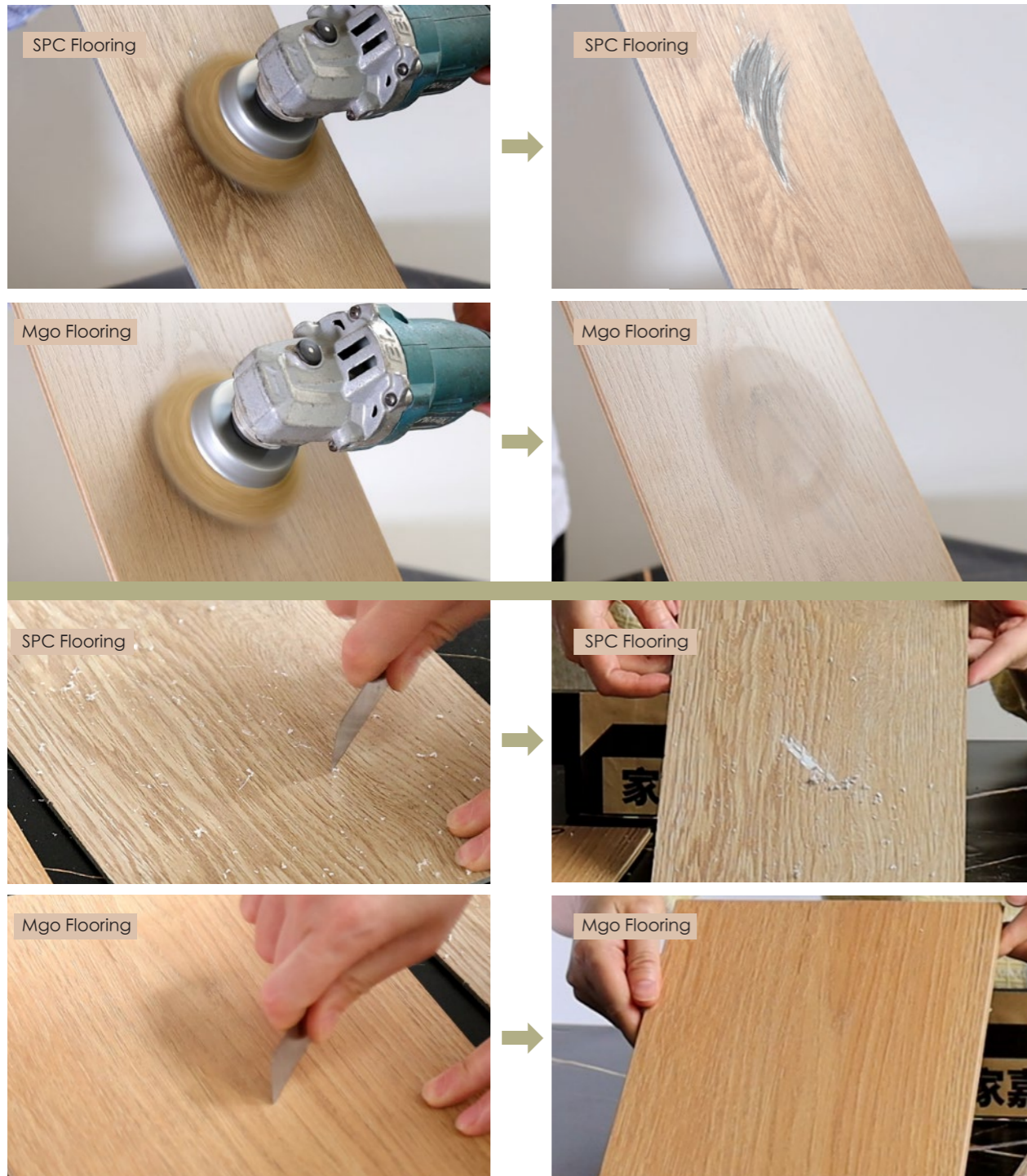
The SPC flooring was severely deformed within 10 seconds, producing a pungent smoke smell. Our Mgo flooring is smoke-free, non-deforming and non-burning. Very suitable for hotels, hospitals, schools and other public places.



Test results: Compared to SPC flooring, our MgO flooring not burned, not left smoke marks and the surface is intact. Recommend hotel,school,hospital,bar and other places.

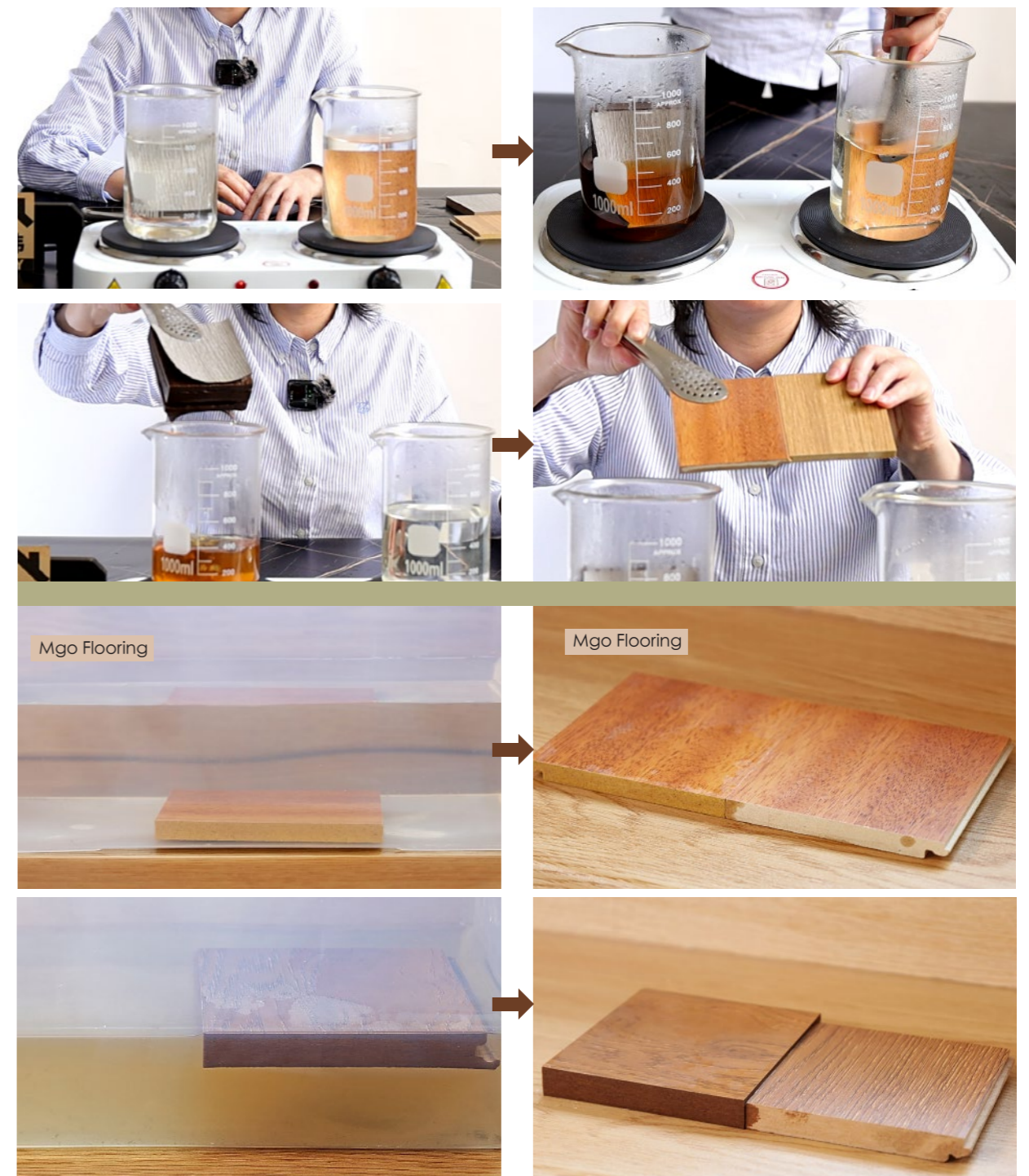
Mineral Core Performance Advantages & Test Result

Wear-resistant & Scratch-resistant



Test results: Our MgO flooring is fully resistant to abrasions and scratches from daily use, extending the life of the floor. Suitable for commercial, residential, cruise ship, recreational vehicle etc.

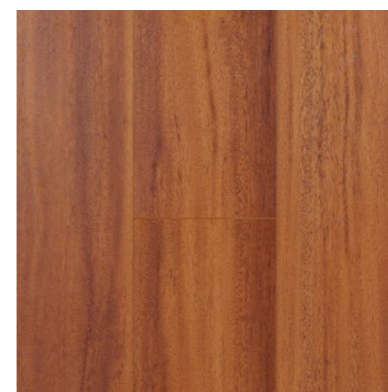
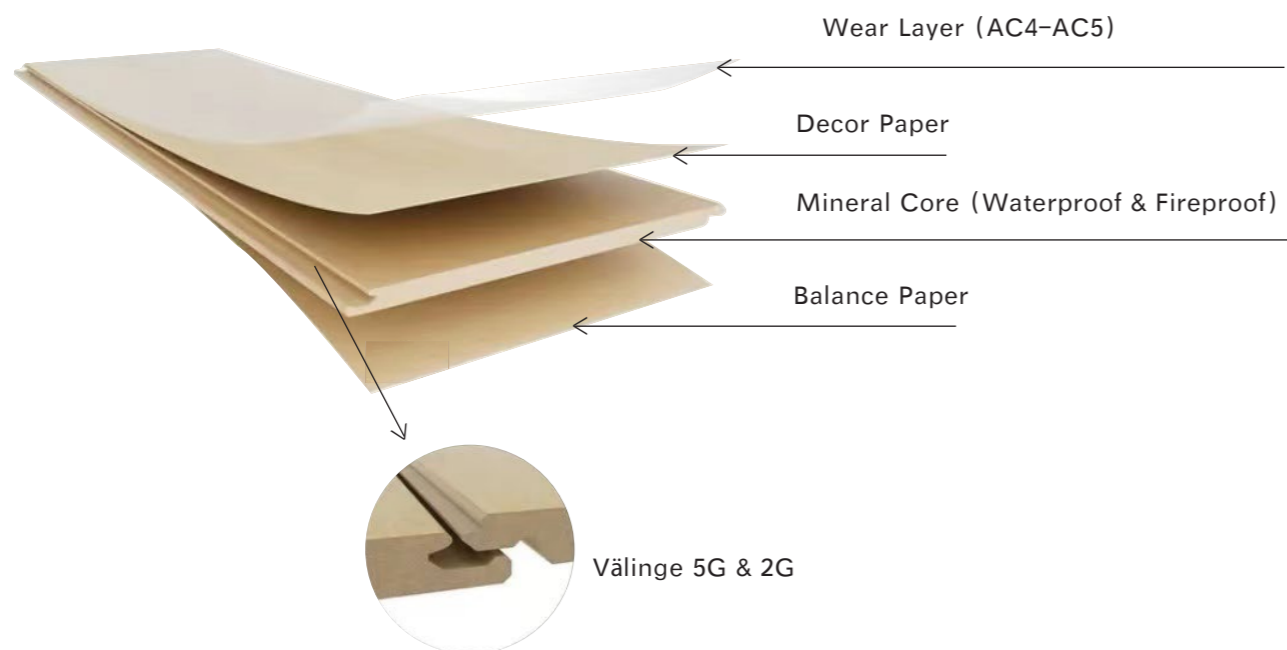
Boiling in hot water test & Waterproof



Test results: Through boiling in hot water and immersion experiments test, the stability of our MgO flooring is completely superior to any flooring on the market.

Structures

ZOLWAY MgO Flooring



ZW-M001



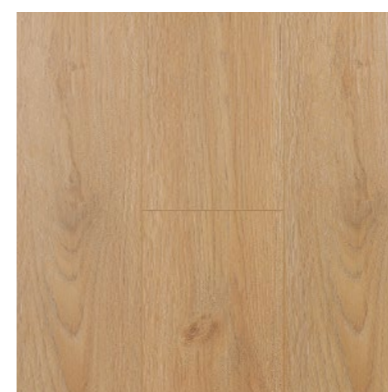
ZW-M002



ZW-M003



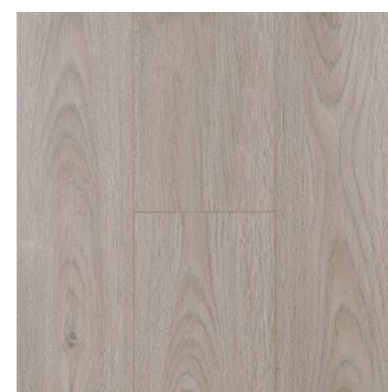
ZW-M004



ZW-M005



ZW-M006



ZW-M007



ZW-M008

- Zero Formaldehyde
- PVC Free
- Biodegradable Eco-Friendly
- Extreme Stability
- For Floor Heating
- Pet Friendly
- Fireproof Class A Fire Rated
- 100% Waterproof
- Wear Resistant
- Scratch Resistant
- Anti-Skid
- Soundproof

Features

- Fireproof Class A (ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC

- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC

- Health safe; Eco-friendly; Degradable; No 19 heavy metals

- Wear-resistant (AC4-AC5); Anti-scratch; Pet-friendly

- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip

- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M001

- Size: 48*8" (1215*198mm)

- Board thickness: 8.5mm+IXPE(2.0mm)

- Colors: Based on stock or Customized

- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water

- Warranty: 15 years for commercial and 25 years for residential



Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC

- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC

- Health safe; Eco-friendly; Degradable; No 19heavy metals

- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly

- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip

- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M002

- Size: 48*8"(1215*198mm)

- Board thickness: 8.5mm+IXPE(2.0mm)

- Colors: Based on stock or Customized

- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water

- Warranty: 15years for commercial and 25 years for residential



Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC
- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC
- Health safe; Eco-friendly; Degradable; No 19heavy metals
- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly
- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip
- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M003
- Size: 48*8"(1215*198mm)
- Board thickness: 8.5mm+IXPE(2.0mm)
- Colors: Based on stock or Customized
- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water
- Warranty: 15years for commercial and 25 years for residential



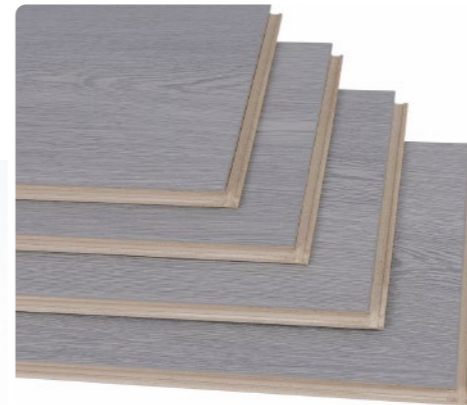
Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC
- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC
- Health safe; Eco-friendly; Degradable; No 19heavy metals
- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly
- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip
- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M004
- Size: 48*8"(1215*198mm)
- Board thickness: 8.5mm+IXPE(2.0mm)
- Colors: Based on stock or Customized
- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water
- Warranty: 15years for commercial and 25 years for residential



Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC
- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC
- Health safe; Eco-friendly; Degradable; No 19heavy metals
- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly
- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip
- Suitable for all kinds of floor heating



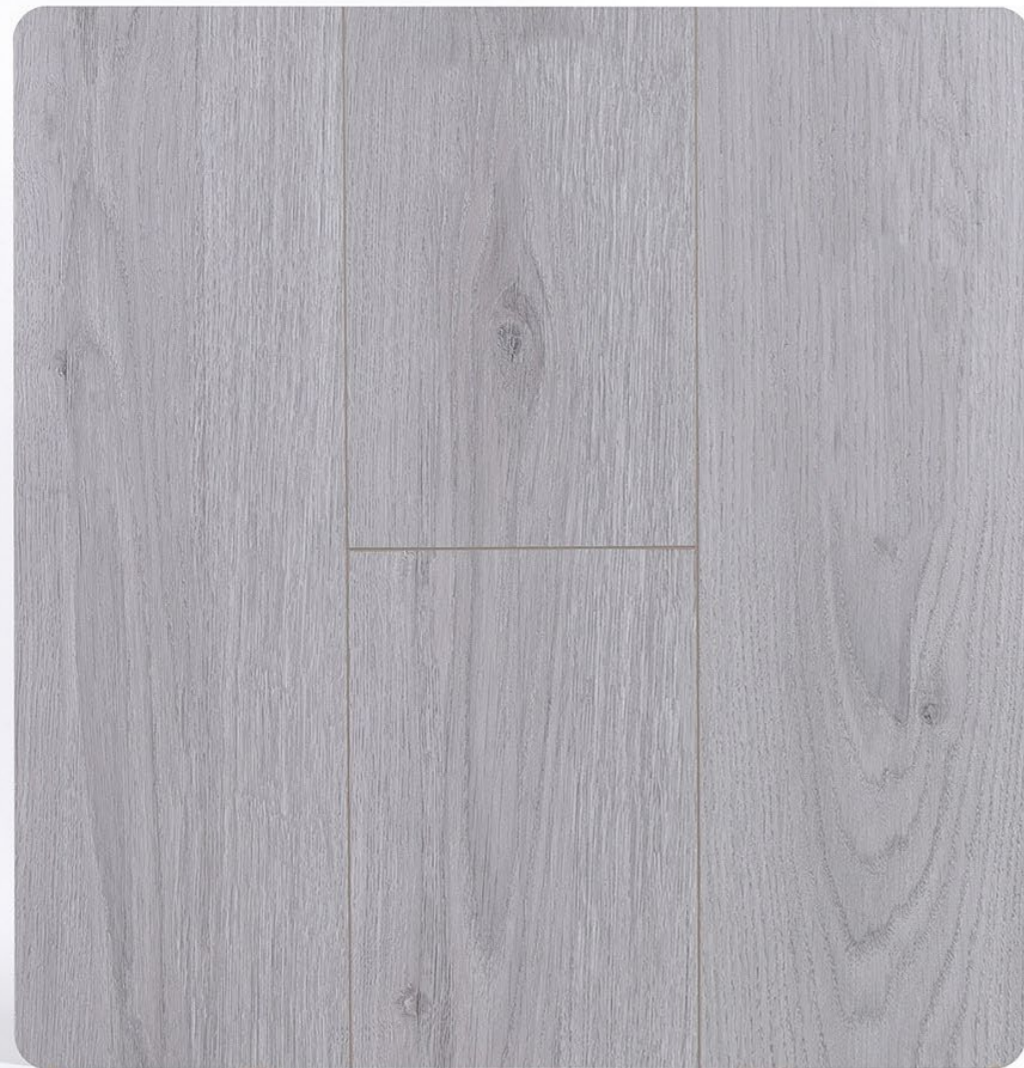
Specifications

- Model: ZW-M005
- Size: 48*8"(1215*198mm)
- Board thickness: 8.5mm+IXPE(2.0mm)
- Colors: Based on stock or Customized
- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water
- Warranty: 15years for commercial and 25 years for residential



Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC
- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC
- Health safe; Eco-friendly; Degradable; No 19heavy metals
- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly
- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip
- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M006
- Size: 48*8"(1215*198mm)
- Board thickness: 8.5mm+IXPE(2.0mm)
- Colors: Based on stock or Customized
- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water
- Warranty: 15years for commercial and 25 years for residential



Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC
- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC
- Health safe; Eco-friendly; Degradable; No 19heavy metals
- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly
- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip
- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M007
- Size: 48*8"(1215*198mm)
- Board thickness: 8.5mm+IXPE(2.0mm)
- Colors: Based on stock or Customized
- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water
- Warranty: 15years for commercial and 25 years for residential



Features

- Fireproof Class A(ASTM E84); No-flame; No-burnt; No Toxic Smoke; No TVOC
- Non-formaldehyde; No Fiberglass; No Benzene; No Glue; No PVC
- Health safe; Eco-friendly; Degradable; No 19heavy metals
- Wear-resistant(AC4-AC5); Anti-scratch; Pet-friendly
- Waterproof; Moisture-Proof; Anti-mildew; Termite proof; Anti-slip
- Suitable for all kinds of floor heating



Specifications

- Model: ZW-M008
- Size: 48*8"(1215*198mm)
- Board thickness: 8.5mm+IXPE(2.0mm)
- Colors: Based on stock or Customized
- Mineral Core: Many kinds of inorganic materials and natural plant fibers with water
- Warranty: 15years for commercial and 25 years for residential



Applications

Suitable for Hotel, Hospital, School, Bar, Residential, Cruise ship, Recreational Vehicle etc. indoor places.



Applications

Suitable for Hotel, Hospital, School, Bar, Residential, Cruise ship, Recreational Vehicle etc. indoor places.



Formaldehyde Emission Levels

Floors Comparison Analysis List

ZOLWAY MgO FLOORS
 $\leq 0.018 \text{mg} / \text{m}^3$
 BETTER THAN ENF

ENF
 $\leq 0.025 \text{mg} / \text{m}^3$

US CARB NAF
 $\leq 0.040 \text{mg} / \text{m}^3$

EO
 $\leq 0.050 \text{mg} / \text{m}^3$

F4 Star-level(Japan)
 $\leq 0.06 \text{mg} / \text{m}^3$

E1
 $\leq 0.124 \text{mg} / \text{m}^3$

Formaldehyde Emission

Features	ZOLWAY MgO Flooring	SPC Flooring	Engineered Wood Flooring	Laminate Flooring
Edge Swelling (24 hours)	$\leq 1.5\%$	1%	$\geq 5\%$	$\geq 6\%$
Formaldehyde	$< 0.018 \text{mg} / \text{m}^3$ Better than ENF	Not Found	Yes	Yes
Fire-Resistance	ASTM Class A	No	No	No
Surface Wearproof	Super, AC4-AC5	Bad	Bad	Good
ECO-Friendly	NO PVC Degradable	PVC No Degradable	NO PVC Degradable	NO PVC Degradable
TVOC	Not Found	Yes	Yes	Yes
Shrinkage or Expansion	Non-deformation	Huge	Big	Big
Heating Room	Heat Fast Keep Warm	Deformation	Heat Slow	Heat Slow Release formaldehyde

- Environmentally Friendly
- Biodegradable
- No Benzene
- Pollution Free
- No PVC
- No TVOC
- No Aldehyde
- Odor Healthy

Certifications



Technical Parameter

Testing of Items	Test Method	Test Result
Density	GB/T 17657-2013	1.40g/cm ³
Edge Swelling	GB/ T17657-2013	≤1.5% Soaked in the water more than 24H
Formaldehyde	GB18580-2017	≤0.018mg/m ³ Better Than ENF
Fire-Resistance	ASTM E84-23	CLASS A
Surface Wearproof	EN 438-2	AC4-AC5
Thermal Conductivity	EN12664:2001	0.197W/(m · k)
Color Fastness	GB/T 18102 2020	≥4
Scratch Resistance	GB/T 18102 2020	4.0N
Resistant to cigarette burns	GB/T 18102 2020	Good
Resistant to cold and heat cycles	GB/T 18102 2020	Good
Resistant to contamination and corrosion	GB/T 18102 2020	Good
Bending Strength	Q/YMKJ 001-2021	≥31Mpa
Dimensional Stability	GB/T 18102 2020	≤0.11mm
Surface/Internal Bondling Strength	GB/T 18102 2020	≥3.0Mpa

