DAREKAOU

MGO Flooring Introduction

Covers The Whole Room



PVC Free Flooring

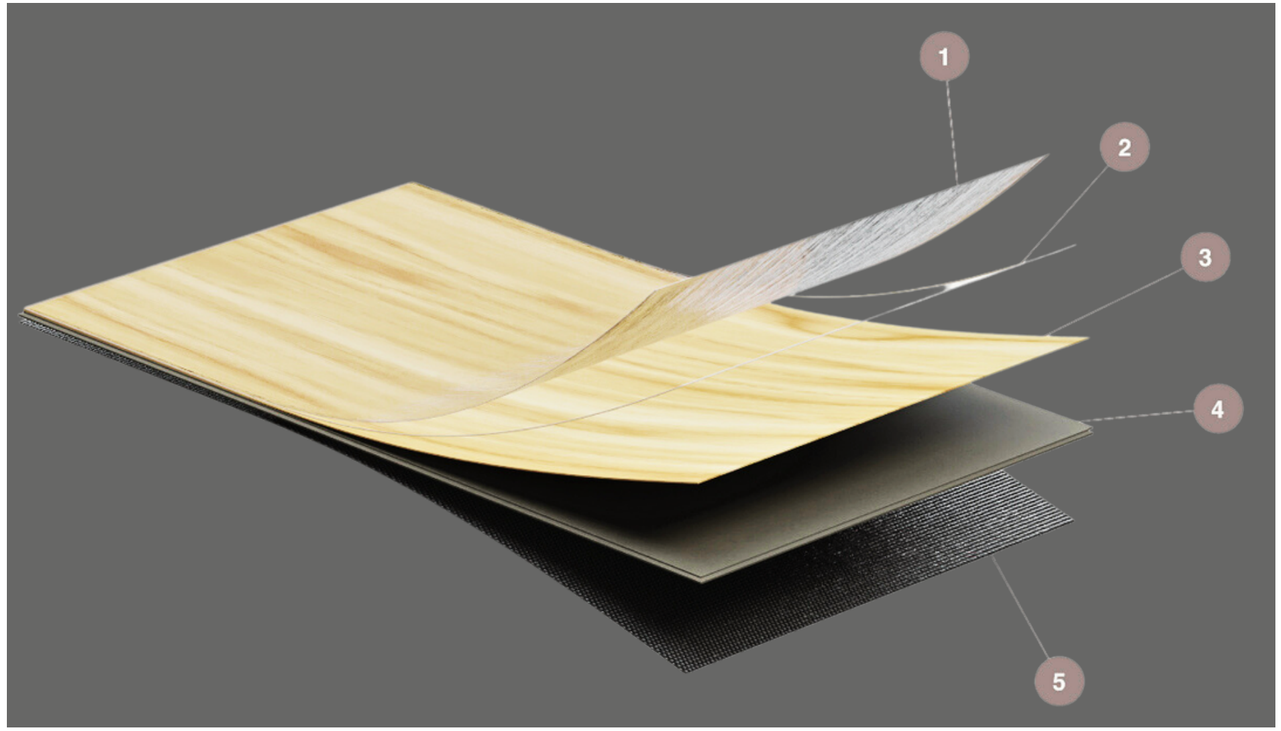
Here a new PVC free flooring ,MgO flooring is a versatile, eco-friendly durable indoor flooring also called mineral core flooring, with range of construction application.

What Is Mgo Flooring

Mgo flooring is a revolutionary beyond NO PVC composite flooring ,which delivers extreme size Stability, Super Fire-proof, ultra-water -proof performance, indentation resistance and high scratch resistance, Duo to the Valinge 5G locking system, the installation is easy and effective.

MgO Flooring Structure

What is MgO flooring Made of



1 PROTEX TOPCOAT

Our trademarked , UV-cured urethane topcoat protect against abrasions and provides industry-leading resistance to scratches stains and chemical easy to clean.

2 WEAR LAYER

This layer made with PVC material, And help the Protect against the tears, rip and indentation

3 GRAPHIC PRINT

Stat-of-art Printing technology achieves the exceptionally realistic look of natural wood gain.

4 MINARAL CORE

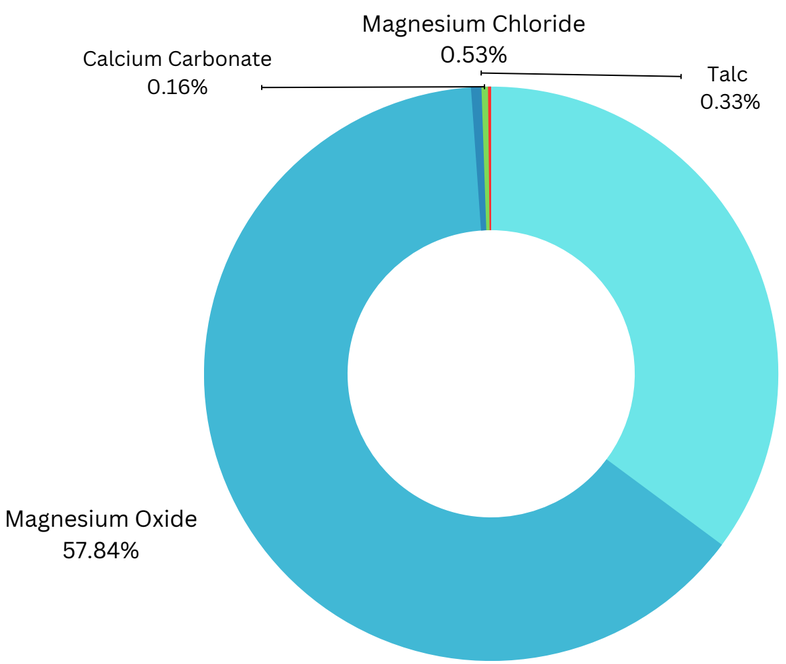
Mineral Core work as waterproof and standing with heavy foot.

5 VALINGE CLICK SYSTEM

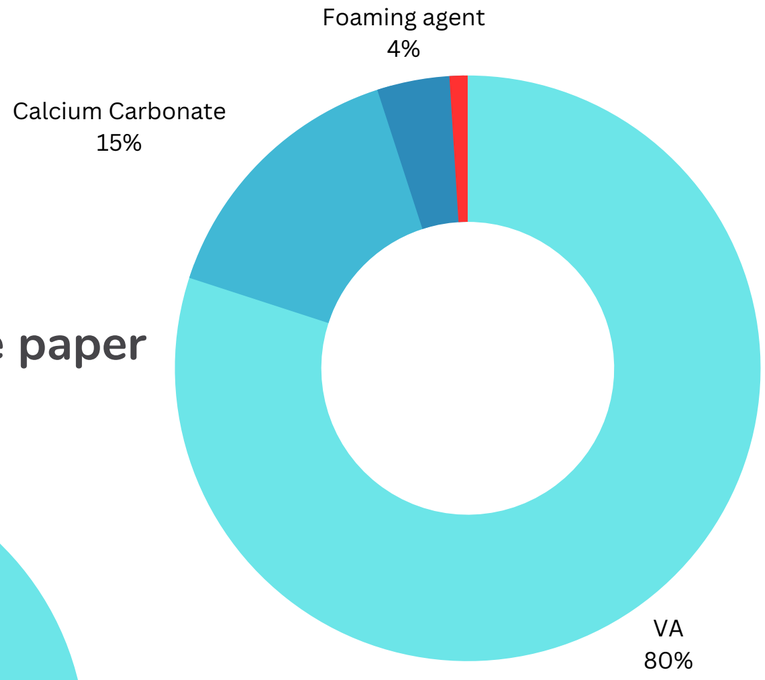
Our built-in-locking technology make easy for installation.

MgO Product Contents

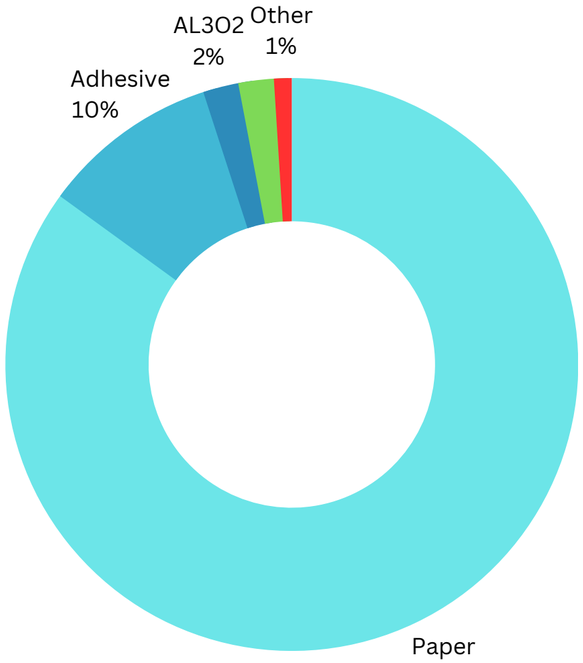
CORE



EVA

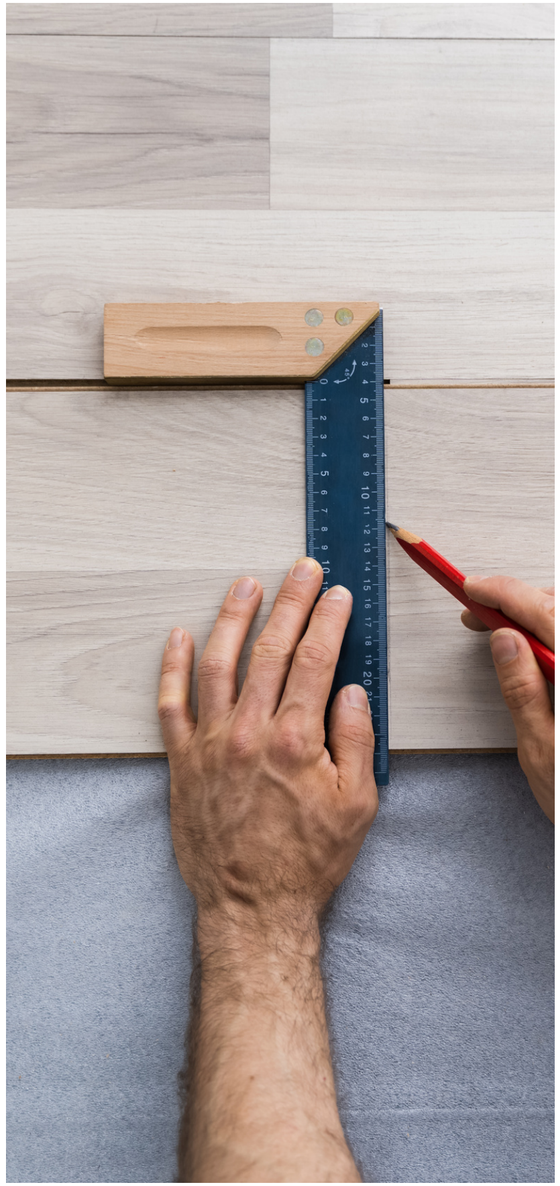


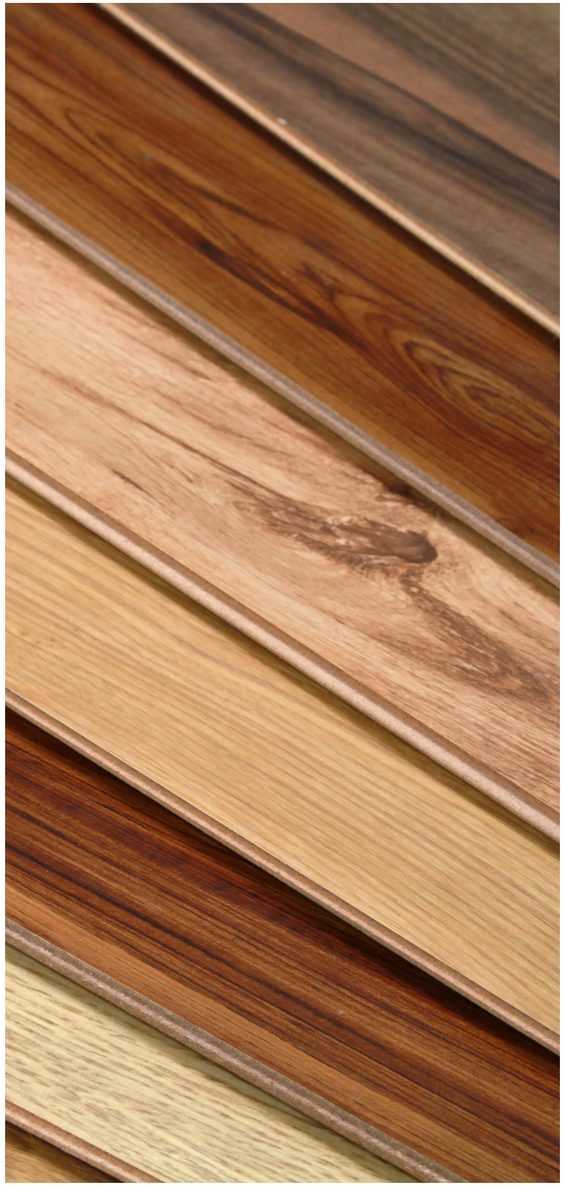
Decorpaper/Overlay/Balance paper



Specification of MgO Flooring

Category	Specifications
MgO flooring Click size	1218mm(L)*198mm(W)*10mm(T)
Application	Residential and commercial and public
Wearing resistance	AC4-AC5 (Can be customize)
Formaldehyde	ND
Fire-Resistance	Class A (ASTM E84)
Thickness Swell	<1% (soaked in water more than 24h)
Bending Strength	≥20Mpa
Elasticity Modulus	≥3500Mpa
Bonding strength	≥1.2 Mpa
Thermal Conductivity	0.198W





Test	Standards	Test Result	Decision
Surface Abrasion	ACA4:4000	4200	OK
Modulus of rupture	≥40N/mm2	44.1	OK
Internal Bond	≥1.0N/mm2	1.96	OK
Pull Force Range	≥24N/mm2	25.3	OK
Surface Soundness	≥1.0N/mm2	1.65	OK
Density	≥1400kg/m3	1406.0	OK
Swelling after 24 in water	≤8%	2.0	OK
Moisture Content	4%to6%	4.2	OK
Fire Resistance	A1	A1	OK





Test	Standards	Test Result	Decision
Concentration of Acid	no visible	4200	OK
Resistance Impact	≤9mm	44.1	OK
Resistance pollution	≥3.0N	1.96	OK
Formaldehyde Emission	≤9mg/100g	25.3	OK
Resistance Color fade	Grade 4	1.65	OK
Underfloor heat using	≥12mm	Yes	
	≤12mm		





Compared to Other flooring

MgO flooring is different than other flooring. Its Advantages include eco-friendly, no harm on health, pollution-free, no PVC, no formaldehyde fireproof, waterproof , High abrasion , scratch resistance and suitable for heated rooms . It is an environmentally friendly and non toxic product Use the charts below to compare the applications and features of MgO flooring to other flooring You will find that MgO flooring offers superior performance in every category compared to flooring.



Feature	MgO Flooring	Waterproof Laminate Flooring	SPC Flooring	Engineered Wood Flooring
Edge Swelling	<1%	>6%	<1%	>5%
Swelling Recovery	Yes	Impossible	Yes	Yes
Anti-scratch	Super	Good	Bad	Bad
Formaldehyde	Not Found (ENF)	Yes	Not Found	Yes
TVOC	Not Found	Not Found	Yes	Big
Expansion Shrinkage	Invisible	Big	Huge	
Degradable	Yes	Yes	Impossible	Yes
Fireproof	ASTM Class A No Smoke	No	ASTM Class	No
Updated Technologies	Yes	No	No	No

Is MgO flooring Waterproof ?

MgO flooring is physically and chemically stable and would neve be affected by water drop and high moisture in air. Even soaked into the water more than 72 hours ,no expansion would occur with MgO flooring. The boards are still structural and dimensionally stable even when wet. They do not swell, warp, or delaminate. They even protect against moisture when underneath basement flooring boards.



Benefits of MgO flooring

FireProof



Sustainable , fireproof building material for commercial and residential consruction.MgO flooring is ASTM A-rated(highest fire rating).

Water Proof



MgO flooring is physically and chemically stable and would never be affected by water and high moisture in air, even soaked into the water more than 72 hours,no expansion would occur with MgO flooring.

Health Safe



MgO flooring is safe for people who suffer from allergies or asthma or who are chemically sensitive.It does not contain 19 heavy metal, formaldehyde or toxins.

Termit Proof



MgO flooring is not a food source for termites, carpenter ants or other wood boaring insects,it is inorganic and contain zero foodstuff.

Environmentally Safe



MgO flooring is not made with any toxic materials PVC and adhesives,MgO flooring can be naturally biodegradable.

Pet free



MgO flooring is rigid material with high density ,which make it more durable,With the same wear layer, mineral core flooring is better than laminate flooring on anti-scratch performance. The Max wear resistance is standard Class AC4.

MSDS&TDS Report

Test Report issued under the responsibility of:

Technical Data Sheet
(TDS)
化学品技术数据表

Applicant's Name 申请商公司	Darekaou (Changzhou) Decorative Materials Co., LTD. 常州德诺科沃装饰材料有限公司
Applicant's Address 申请商地址	2203Rm, Tongjiang Rd, New-north District, Changzhou, Jiangsu China. 江苏省常州市新北区通江路398-1号2203室
Product Name 产品名称	Rock wood plank 岩木板
Model 型号	1265*2475*8mm, 1220*2440*6mm
Prepared By 编制单位	Shenzhen ZTL Testing Technology Co., Ltd. 深圳市中鉴联检测技术有限公司
	No. 302, 3rd Floor, Qiaotou Chuangke Center, No.168 Yongfu Road, Fuhai Street, Baoan District, Shenzhen, China 广东省深圳市宝安区福海街道永福路168号桥头合作股份有限C302
Report No. 报告编号	ZTL-2022123002R
Date 日期	Dec. 26, 2022 - Jan. 04, 2023

Tested by Jason Li
李海波, Jason Li
项目工程师

Approved by Marsh Wang
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实[illegible]

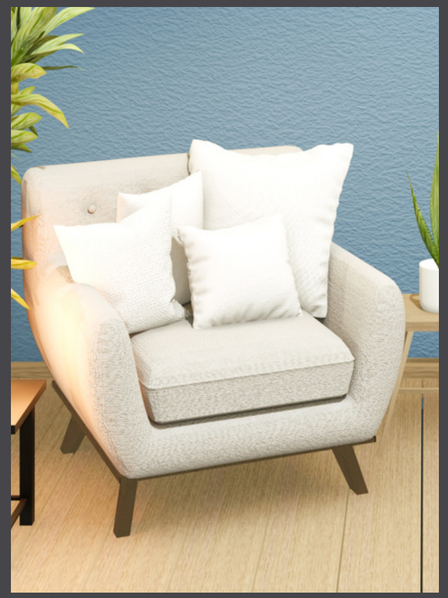
Test Report issued under the responsibility of:

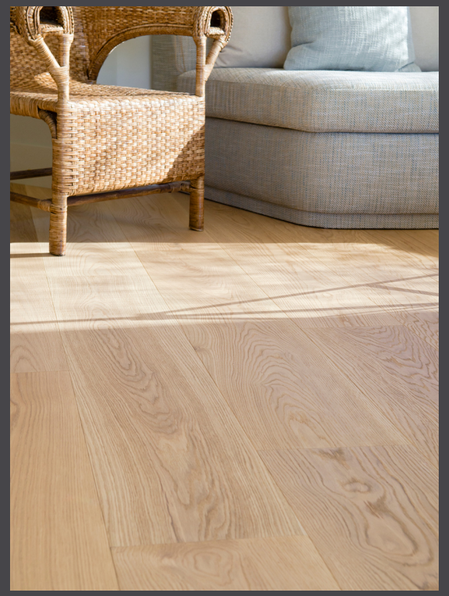
Material Safety Data Sheet
(MSDS)
化学品安全技术说明书

Applicant's Name 申请商公司	Darekaou (Changzhou) Decorative Materials Co., LTD. 常州德诺科沃装饰材料有限公司
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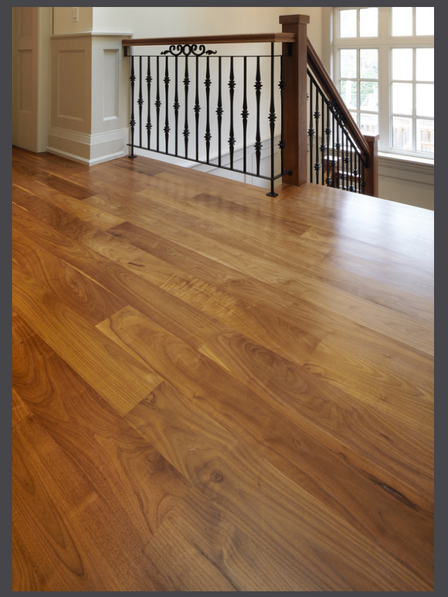
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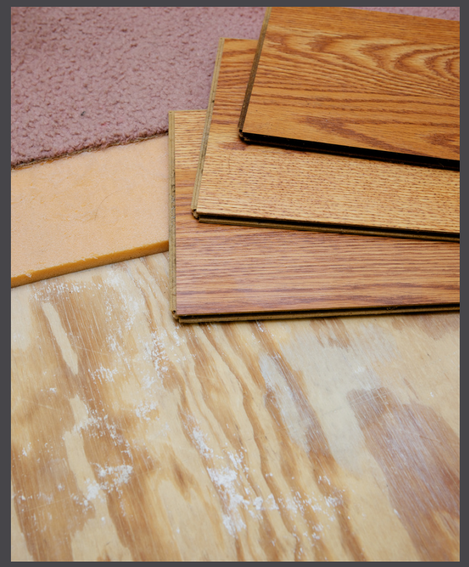


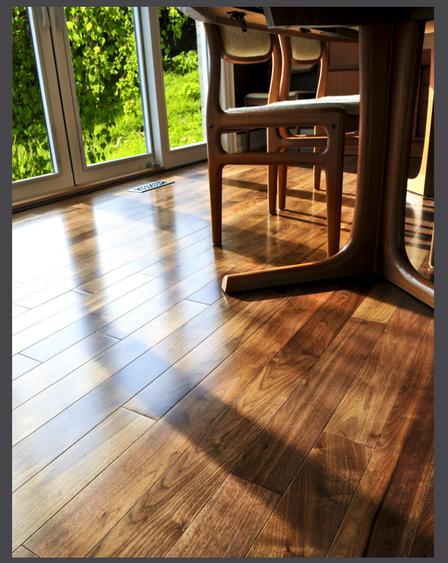












产品愿景Product Vision

In the future, this new type of enviromental protection panel, whick takes into account the excellent qualities of fire proof, waterproof, anti-bacteria and near zero formaldehyde, will be used to expand to more types of space and build a comfortable commercial and home space that is green, safe and quite for human beings.

未来，这种兼顾防火、防水、抑菌、接近零甲醛等各项优异特质的新型环保板材，运用领域扩展至更多类型的空间，为人类构建绿色环保、安全静谧的舒适的商业和和家居空间

DAREKAOU