



ENVPLAS® BOARD

FOR FURNITURE

DESIGNED FOR DURABILITY & SUSTAINABILITY



www.enventerprise.com

About Us 公司简介

ENV Engineering Enterprise (ENV) is the pioneer in furniture making for replacing plywood with ENVPLAS® Board. Understanding the natural disadvantages of wood as a primary and conventional furniture making material, each piece of ENVPLAS® Board is carefully formulated and manufactured to achieve its lifetime durability. Made from PVC material, ENVPLAS® Board is Total Waterproof, Anti - Termite, Formaldehyde - Free, and requires almost Zero Maintenance.

ENV专注于引领市场使用 ENVPLAS® Board 以取代传统三夹板于各种家具的设计与制作。对于天然木制家具的优缺点，我们都非常地熟悉，故在 ENVPLAS® Board 的生产配方和工艺上采取了针对性的改良，追求更卓越的质量。取决于聚氯乙烯(PVC) 的特性, ENVPLAS® Board 是一种集于百分百防水,防白蚁, 零甲醛, 零保养的优秀材质。追求完美, 稳定的品质是我们对于客户的承诺。



WHAT IS ENVPLAS® BOARD FOR FURNITURE

ENVPLAS® BOARD 家具板材是什么

The ENVPLAS® BOARD for Furniture is a unique and original innovation that's made from 70% recycled PVC material. It's total waterproof, anti-termite and formaldehyde-free properties make for excellent use in the furniture industry.

ENVPLAS® 家具板采用独特的生产工艺，由 70% 的再生 PVC 材料制成。其百分百防水，防白蚁，不含甲醛的特性让其更好，更广泛地在家具行业广泛使用。



Total
Waterproof
百分百防水



Anti-
Termite
防白蚁



Formaldehyde-
Free
零甲醛



VOC-Free
不含有害
化学物质



Mold & Mildew
Resistant
防霉



Easy
Maintenance
易于保养



Recycled
可再循环



Environmental-
Friendly
环保节能



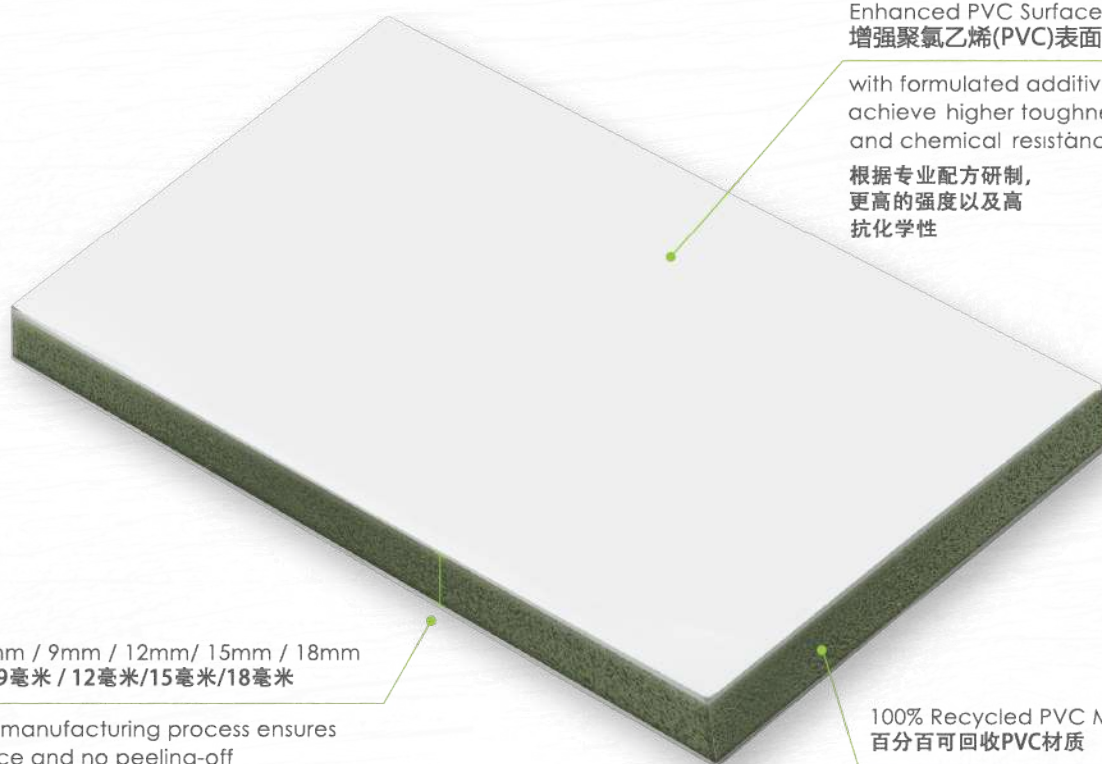
Nail-able
可钉



Saw-able
可锯



Screw-able
可螺丝



Enhanced PVC Surface
增强聚氯乙烯(PVC)表面

with formulated additives to
achieve higher toughness
and chemical resistance

根据专业配方研制，
更高的强度以及高
抗化学性

Thickness: 5mm / 9mm / 12mm / 15mm / 18mm
厚度：5毫米 / 9毫米 / 12毫米 / 15毫米 / 18毫米

A one-piece manufacturing process ensures
smooth surface and no peeling-off
defects during installation
一体生产“过程确保光滑坚固
的表面以及完美不剥落的表面

100% Recycled PVC Material
百分百可回收PVC材质

compressed to achieve a
density of 0.6g/cm³ or 600kg/m³
压缩至0.6g/cm³ 或 600kg/m³ 超高密度

Specifications 规格

Material 材质	Polyvinyl chloride (PVC) 聚氯乙烯(PVC)
Thickness 厚度	5mm / 9mm / 12mm / 15mm / 18mm
Dimension 尺寸	1220mm x 2440mm
Density 密度	0.6g/cm ³ or 600kg/m ³
Recyclable 可回收	Fully Recyclable 完全回收



WHY ENVPLAS® BOARD FOR FURNITURE





TOTAL WATERPROOF 百分百防水

Protect your furniture from shrinking and swelling caused by moisture and humidity. Additionally, fully resistance to mold and mildew.

保护您家具免于潮湿、水气渗透而导致吸水膨胀的伤害, 并且免于霉菌滋生所带来的烦恼。

ANTI-TERMITE 防白蚁

No more worries of property damage caused by pests as our board contains zero wood composites thus making it free from termites' problems.

ENVPLAS® Board 不含任何天然木粉成分, 您不必再为白蚁以及其他害虫的侵害而烦恼。



FORMALDEHYDE-FREE 零甲醛

ENVPLAS® Board is manufactured in a one-piece production and making it free from formaldehyde which ultimately helps to improve the air quality in your home.

ENVPLAS® Board采用“一体生产”过程确保我们的产品是不含任何的甲醛, 以为您的居家提供更优质的空气、更安全的环境。



MOLD & MILDEW RESISTANT

防霉菌

ENVPLAS® Board does not absorb moisture, hence it is mold & mildew resistant as spores will not be able to grow without moisture.

ENVPLAS® Board 不吸收水分, 由于孢子在没有水分的情况下无法生长, 因此它具有防霉的功能。



EASY MAINTENANCE 环保无毒

ENVPLAS® Board furniture does not require any special cleaning process and are easy to clean and maintain.

ENVPLAS® Board 的家具不需要任何特殊的清洁过程, 易于清洁和维护。

ENVPLAS® BOARD

TECHNICAL PROPERTIES 技术特性



Wood Material



ENVPLAS® BOARD

Comparison 对比	Wood Material 木质材料	ENVPLAS® BOARD ENVPLAS®塑板
Total Waterproof 百分百防水	×	✓
Anti-Termite 防白蚁	×	✓
Formaldehyde Emission 甲醛释放	✓	×

Technical Properties	Test Method	EFB 5mm	EFB 9mm	EFB 12mm	EFB 15mm	EFB 18mm
Thickness Tolerance (mm)	BS EN 324-1	±0.2				
Size Tolerance (mm)	BS EN 324-1	±5.0 (length) ±0.2.0 (width)				
Average Density (Ave kg/m³)	BS EN 323	600				
Bending Strength (Ave N/mm²)	ASTM D-7249	42.56	24.35	16.75	14.35	12.60
Shear Strength (Ave kN)	ASTM C-273	2.53	3.86	5.02	3.65	6.97
Screw Holding Face (Ave kN)	BS EN 320	0.23	0.61	0.78	0.83	1.08
Screw Holding Edge (Ave kN)	BS EN 320	0.37	0.55	0.56	0.57	0.57
Formaldehyde Emission (mg/m²/hr)	ASTM D-5116	N. D. N. D. - Not Detected (<Reporting Limit)				
Total VOCs Emission (mg/m²/hr)	ASTM D-5116	N. D. N. D. - Not Detected (<Reporting Limit)				



APPLICATIONS

应用



RESIDENTIAL
住宅区

HEALTH CARE
健康保健



OFFICE
办公室

RETAIL
零售



HOTEL
酒店



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