

Series	Size
ES	W1,220mmXL50m

Scan the QR code
for HD picture 



ES-562

Walnut Edge Grain



ES-586

Walnut Flat Grain



ES-521

Oak Edge Grain



ES-563

Walnut Edge Grain



ES-526

Oak Edge Grain



ES-617

Oak Edge Grain

Wood



ES Series



ES-551

Elm Edge Grain



ES-517

Walnut Edge Grain



ES-528

Oak Edge Grain



ES-546

Walnut Edge Grain



ES-593

Oak Flat Grain



ES-518

Walnut Edge Grain

Series	Size
ES	W1,220mmXL50m

Scan the QR code
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ES-573

Oak Flat Grain



ES-628

Elm Edge Grain



ES-632

Oak Edge Grain



ES-636

Sapele Edge Grain

Wood



ES-627

Elm Edge Grain



ES-537

Elm Edge Grain



ES-578

Oak Edge Grain



ES-531

Ash Edge Grain



ES-613

Oak Edge Grain



ES-624

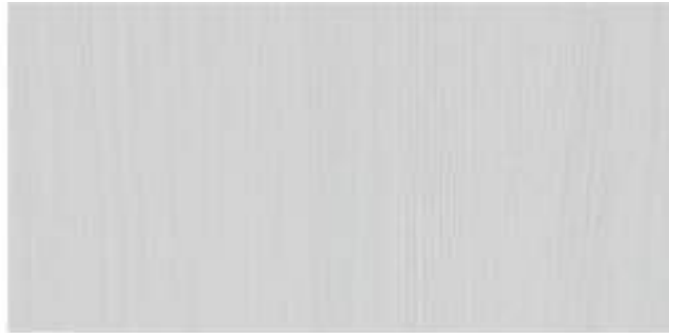
Eucaly Edge Grain

Series	Size
ES	W1,220mmXL50m

Scan the QR code
for HD picture 



ES-design



ES-536

Elm Edge Grain



ES-508

Elm Flat Grain



ES-566

Teak Edge Grain



ES-572


Oak Flat Grain

Wood



GS-091

Series	Size
GS	W1,220mmXL50m

Scan the QR code
for HD picture 



GS-011 Oak Edge Grain



GS-066 Teak Edge Grain



GS-101 Pine Edge Grain



GS-181 Teak Mixed Grain



GS-003 Ash Edge Grain



GS-002 Walnut Edge Grain



GS-111 Maple Edge Grain



GS-082 Ash Edge Grain



GS-032 Oak Flat Grain



GS-013 Oak Edge Grain

Wood



GS Series



GS-036

Maple Edge Grain



GS-021

Cherry Edge Grain



GS-031

Oak Flat Grain



GS-161

Bamboo Edge Grain



GS-011

Series	Size
GS	W1,220mmXL50m

Scan the QR code
for HD picture



GS-011



GS-046

Oak Edge Grain



GS-022

Cherry Edge Grain



GS-071

Oak Edge Grain



GS-012

Oak Edge Grain

Wood



GS Series



GS-063

Teak Edge Grain



GS-057

Oak Edge Grain



GS-056

Oak Edge Grain



GS-068

Teak Edge Grain



GS-092

Walnut Edge Grain



GS-171

Walnut Edge Grain



GS-017

Cherry Edge Grain



GS-061

Teak Edge Grain



GS-062

Teak Edge Grain



GS-041

Walnut Edge Grain

Series	Size
GS	W1,220mmXL50m

Scan the QR code
for HD picture 



GS-023 Cherry Edge Grain



GS-131 Walnut Flat Grain



GS-081 Ash Edge Grain



GS-058 Oak Edge Grain



GS-001 Ash Edge Grain



GS-073 Oak Edge Grain

Wood



GS Series



GS-091



GS-182

Teak Mixed Grain



GS-183

Teak Mixed Grain



GS-072

Oak Edge Grain



GS-141

Sycamore Edge Grain



GS-132

Walnut Flat Grain

Series	Size
GS	W1,220mmXL50m

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GS-016



GS-052

Teak Edge Grain



GS-093

Cherry Edge Grain



GS-067

Teak Edge Grain



GS-016

Cherry Edge Grain



GS-051

Teak Edge Grain



GS-042

Walnut Edge Grain



GS-091

Cherry Edge Grain

Matel



MC / MD Series



MD-2402 NEW



MD-2403 NEW



MD-2406 NEW



MD-2405 NEW




MD-2404 NEW



MD-2407 NEW

Series	Size
MC / MD	W1,220mmXL50m

Scan the QR code
for HD picture 



MC-421 NEW



MC-423 NEW



MC-424 NEW



MC-425 NEW



MC-422 NEW



MC-441 NEW



MC-443 NEW



MC-444 NEW



MC-445 NEW



MC-442 NEW



MC-451 NEW



MC-453 NEW



MC-454 NEW



MC-455 NEW



MC-452 NEW



MC-471 NEW



MC-473 NEW



MC-474 NEW



MC-475 NEW



MC-472 NEW

Series	Size
MC / MD	W1,220mmXL50m



MC-431 NEW



MC-433 NEW



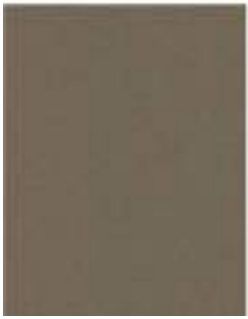
MC-434 NEW



MC-435 NEW



MC-432 NEW



MC-461 NEW



MC-463 NEW



MC-464 NEW



MC-465 NEW



MC-462 NEW

MC / MD Series

Series	Size
TC / TD	W1,220mmXL50m

Scan the QR code
for HD picture



TD-851 NEW

Stone



TD-861 NEW



TD-861



TD-863 NEW




TD-862 NEW



TD-864 NEW

Series	Size
TC / TD	W1,220mmXL50m

Scan the QR code
for HD picture 



TC-801



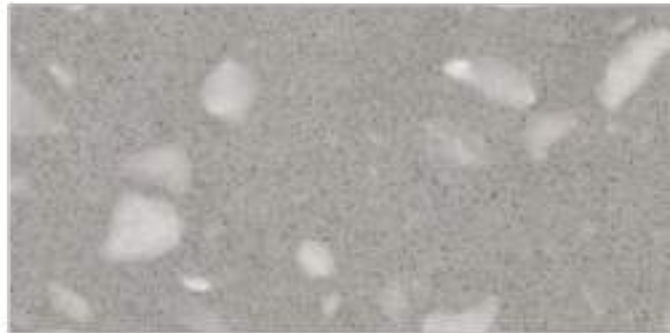
TC-806



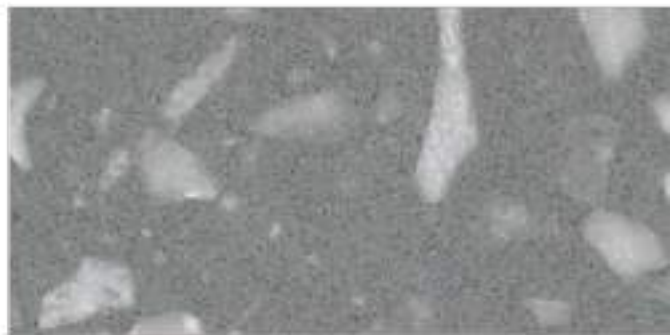
TC-807



TC-806



TC-811




TC-812

Textile



Series	Size
LC / LD	W1,220mmXL50m

Scan the QR code
for HD picture 



LD-352 NEW



LD-353 NEW



LD-354 NEW



LD-351 NEW



LC-311



LC-312



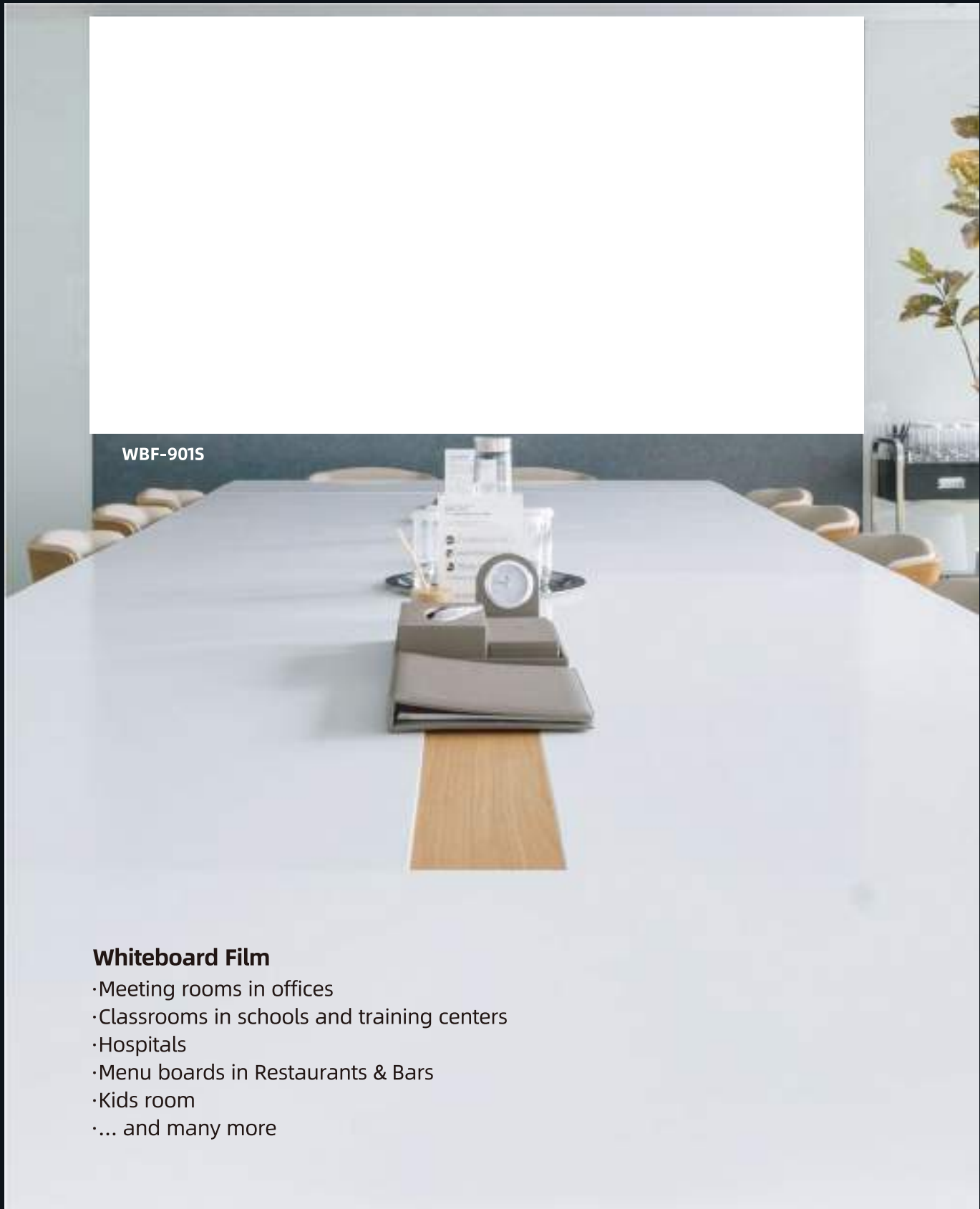
LC-306



LC-301

Whiteboard

Series	Size
WBF	W1,220mmXL50m



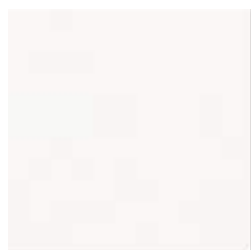
WBF-901S

Whiteboard Film

- Meeting rooms in offices
- Classrooms in schools and training centers
- Hospitals
- Menu boards in Restaurants & Bars
- Kids room
- ... and many more

Solid

Series	Size
CS	W1,220mmXL50m



CS - 21 NEW



CS - 01



CS - 04



CS - 16 NEW



CS - 06



CS - 05



CS - 17 NEW



CS - 02



CS - 09



CS - 20 NEW



CS - 18 NEW



CS - 19 NEW



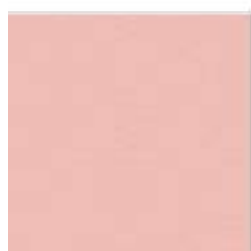
CS - 22 NEW



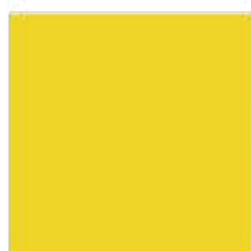
CS - 08



CS - 03



CS - 10



CS - 14



CS - 11



CS - 07



CS - 13



CS - 12

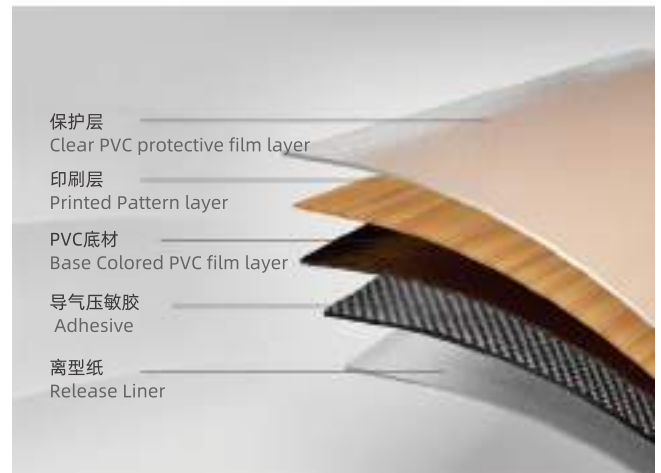


CS - 15

TGA® 装饰膜的特性

Featured Benefits of TGA® Durable Interior Film

- 1 建筑内外装饰、家具、广告标识、车辆、船舶等装饰面应用解决方案。
Finishing solutions for interior and exterior decoration, furniture, advertising signs, transportation wrapping etc.
- 2 基材-应用在金属、木质材料、无机类板材及其他表面。
Substrates — Use on metal, wood, glass and more.
- 3 美学-类似天然材料和其他类型的饰面选择，以提供你想要的外观。
Aesthetics — Resemble natural materials and other types of surfaces to deliver the look you want.
- 4 翻新与再利用—高效的施工，大幅减少资源浪费，为老旧空间带来新的活力。通过建筑饰面材质的更替，带来全新设计理念或色彩尝试的变化。
Remodel and Reuse — Goes up fast, with less likelihood of error and waste, and bring life to existing assets. The architectural finishes convert wood or metallic spaces to reflect an entirely new design with abstract or colored finishes.



应用处理 Application Process

各种基材的表面制备和底漆
Surface preparation and priming for various substrates

基材种类 SUBSTRATE	密度板、胶合板等 木质类基材	石膏板、矿棉板、 硅酸钙板	PVC材料、TGA薄膜	水泥砂浆	烤漆钢板、镀锌钢板	铝板、不锈钢板
处理步骤 SURFACE PREPARATION	Wood Luan Veneer Chinese Veneer Hardboard	Plaster Board Calcium Silicate Board Asbestos Slate	PVC Coated Steel TGA Applied Over TGA	Mortar	Bonderized Steel Plate Baked Enamel Paint on Steel	Aluminium Plate Stainless Steel
预处理 Conditioning	去除钉头或使其低于平面 Remove /grind down protruding nail heads			灰刀铲平 Trowel finish Dry Surface	去除表面锈迹 Remove surface rust	
封底处理 Sealing	水性/油性底漆封固 Solvent or Water Based Sealer		水性/油性底漆封固 Solvent or Water Based Sealer			
填补 Puttying	石膏粉/防水腻子/原子灰等补平凹凸， 接缝、钉孔等表面 Putty over surface roughness, screw holes, etc. Fine putty for finishing		原子灰补平 Polyeste putty	石膏粉/乳胶腻子/ 原子灰等补平 粗糙表面 Putty over surface roughness, etc	原子灰补平 Polyeste putty	
打磨 Polishing	#100-180目砂纸打磨平整 #100-180 Grit Sandpaper			磨平表面凸痕，#100-180目砂纸打磨平整 Use grinder to remove lugs and welds #100-180 Grit Sandpaper		
表面清洁 Surface Cleaning				酒精 Alcohol		

物理化学特性

Physical and Chemical Properties

卷规格 Roll Size

1220mm x 50m

最低温度应用

Minimum Application Temperature

5°C

(在低温环境下使用前, 使用加热器使周围区域升温。)

(Use jet-heaters to warm up surrounding area before applying in low temperature environments.)

理想使用温度范围

Ideal Application Temperature Range

15 ~ 25°C

储存条件 Storage Conditions

产品应存放于清洁干燥, 避免阳光直射、温度低于35°C的环境中。

Store film in a clean dry environment free from direct sunlight and at an ambient temperature below 35 °C.

购买后2年内使用。

Use within 2 year of purchase.

使用温度 Usage Temperature

将该膜贴在铝板上, 在-20°C~ 65°C的温度范围内放置5天。

The film was applied to an aluminium plate and exposed to temperatures in the range of -20°C to 65°C for 5 days.

测试结果: 无脱皮、变色现象

Test Result: No peeling or discolouration



尺寸稳定性 Dimensional Stability

在 150mm x 150mm 的薄膜样品上, 取 100mm x 100mm 的“L”型切口。将样品应用在 200mm x 200mm 的铝板上。样品在 50°C 温度下放置 48 小时, 测量切口的最大开度。

100mm x 100mm "L" gash was made in a 150mm x 150mm film sample that was applied to an 200mm x 200mm aluminium plate. The sample was exposed to a temperature of 50°C for 48 hours and the maximum opening of the gash was measured.

测试结果: 小于0.5mm

Test Result : Less than 0.5mm

耐气候性 Weatherability

该产品经过碳弧人工老化测试, 模拟应用于紫外线光、高温和潮湿环境 250 小时。

The product was exposed to UV light, heat and humidity in a Carbon Arc weatherometer for 250 hours.

测试结果:对薄膜无影响

Test Result : No effect on the film

耐磨性 Abrasion Resistance

产品应用于铝板上, 使用 TaberAbraser CS-17 循环使用 7000 次, 负载 1kg。

Product applied to an aluminum plate and exposed to 7000 cycles using TaberAbraser CS-17 with a 1kg load.

测试结果:没有色调改变

Test Result : No pattern change

耐热性 Heat Resistance

将产品应用于铝板上, 在 65°C 下存放 30天。

Product applied to an aluminium plate and aged for 30 days at 65°C.

测试结果:附着力和薄膜外观变化极小

Test Result: Minimal change to adhesion and film appearance

耐低温冲击性 Low Temperature Impact Resistance

使用设备 - 冲击试验机。

落地高度:1米bob体重:1KG。

温度:0°C。

Equipment used - Impact Tester.

Drop height: 1m Weight of bob:1KG.

Temperature: 0°C.

测试结果:对薄膜表面无影响

Test Result: No effect on the surface of the film

防潮性能 Humidity Resistance

产品应用于铝板上, 在35°C, 相对湿度80%条件下放置30天。

Product applied to an aluminium plate and aged for 30 days at 35°C, 80% relative humidity.

测试结果:附着力和薄膜外观变化极小

Test Result: Minimal change to adhesion and film appearance

抗化学腐蚀 Chemical resistance

预处理 72 小时后, 浸入化学药剂中。

Conditioned for 72 hours and then immersed in the chemical agents.

测试结果 Test Result :

水 WATER	1 星期 week	无影响 No effect
盐雾 SALT SPRAY	1 星期 week	无影响 No effect
庚烷 HEPTANE	5 小时 hours	无影响 No effect
酒精 ETHYL ALCOHOL	5 小时 hours	无影响 No effect
二甲苯 XYLENE	20 分钟 mins	重侵蚀 Severe attack
甲醇 METHYLALCOHOL	20 分钟 mins	重侵蚀 Severe attack

耐污性 Stain Resistance

与以下物质直接接触, 放置18个小时。

Placed in direct contact with the substances for 18 hours.

番茄酱 Ketchup / 盐水(1%) Salt Water(1%) / 牛奶 Milk
盐酸(10%) Hydrochloric Acid (10%) / 柠檬汁 Lemon Juice
红酒 Red Wine / 可乐 Cola / 酒精(50%) Alcohol(50%)
红茶 Black Tea / 家用氨水 Household Grade Ammonia /
咖啡 Coffee / 肥皂水(1%) Soapy Water(1%) / 苏打 Soda
福尔马林 Formalin / 醋 Vinegar / 酸奶 Yoghurt

测试结果:薄膜无污渍

Test Result : No stains on film





清洁 Cleaning

- 1.使用市售合成洗涤剂。避免使用高碱性 (pH值>11) 或酸性 (pH值<3) 的有机溶剂或强洗涤剂。
1.Use commercially available synthetic detergent. Avoid using organic solvents or strong detergents that are either highly alkaline(pH>11) or acidic (pH<3).
- 2.使用软布或清洁海绵。不要使用含有研磨材料的海绵或清洁布。
2.Use a soft cloth or cleaning sponge. Do not use sponges or cleaning cloths that contain abrasive materials.
- 3.清洗后, 用水除去所有剩余的洗涤剂。
3.After cleaning, wash off all remaining detergent with water Removal .

移除 Removal

- 1.在薄膜上每隔20厘米剪一次, 注意不要损坏基材。
1.Make cuts about 20cm apart in the film, making sure not to damage the substrate.
- 2.用吹风机使薄膜变暖变软。
2.Use a hair drier to warm and soften the film.
- 3.去除条状薄膜。
3.Remove the strips of film.
- 4.如果粘剂残留在基材上, 请使用油漆稀释剂或类似功能溶剂将其清除。
4.If adhesive remains on the substrate, remove it using lacquer thinner, or similar solvent .

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科技 Tech
自然 Green
灵感 Art