最先進產品

LAMI LOUVRE

LOUVRE BY DESIGN

industry's highest levels of weather-resistant surface

GREEN VISION

追築綠能家園

願景

追築綠能家園~

提供業界及消費者，環保且有格調的建材產品，讓其提升居住的水平，產品在製程及使用原料都以節能環保爲依歸，並重視健康，關懷環境。

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LAMI LOUVRE
LOUVRE BY DESIGN

應用於海華建設-海華大帝

MODES CO., LTD

Modes Co., Ltd has profiled lamination and metal work with more than 30 years of experience in manufacturing of home hardware products, direct or indirect internationally to those renowned companies such as IKEA, B&Q, Home Center..., for many years and with EVO brand marketing both domestic and foreign market, respected by industry.

In recent years, Modes has recognized of the Earth's resources should be proper and wise use, the introduction apex of European machines use a new generation of environmentally friendly materials, with the venue by German and Japanese companies' core technology, has completed the LAMI LOUVRE (aluminum Louvre laminating by film).

Wood Texture Lami Louver

What is LAMI LOUVRE ?

The light weight corrosion-resistant aluminum is processed and manufactured into a variety purpose of Louvre and uses Germany triple weather index (PMMA + PVDF + SST) acrylic film (for outdoor use) with industries' first invent Japanese scratch resistance anti-fouling p.p film (for indoor use) laminated on the aluminum louvre. In addition to colorful appearance, such as wood, metal, prints...etc to choose, the surface alleviates hot and cold temperature outside, protects aluminum body and provides energy efficiency. It manufacturing and using of raw materials are consistent with energy saving and ECO friendly.

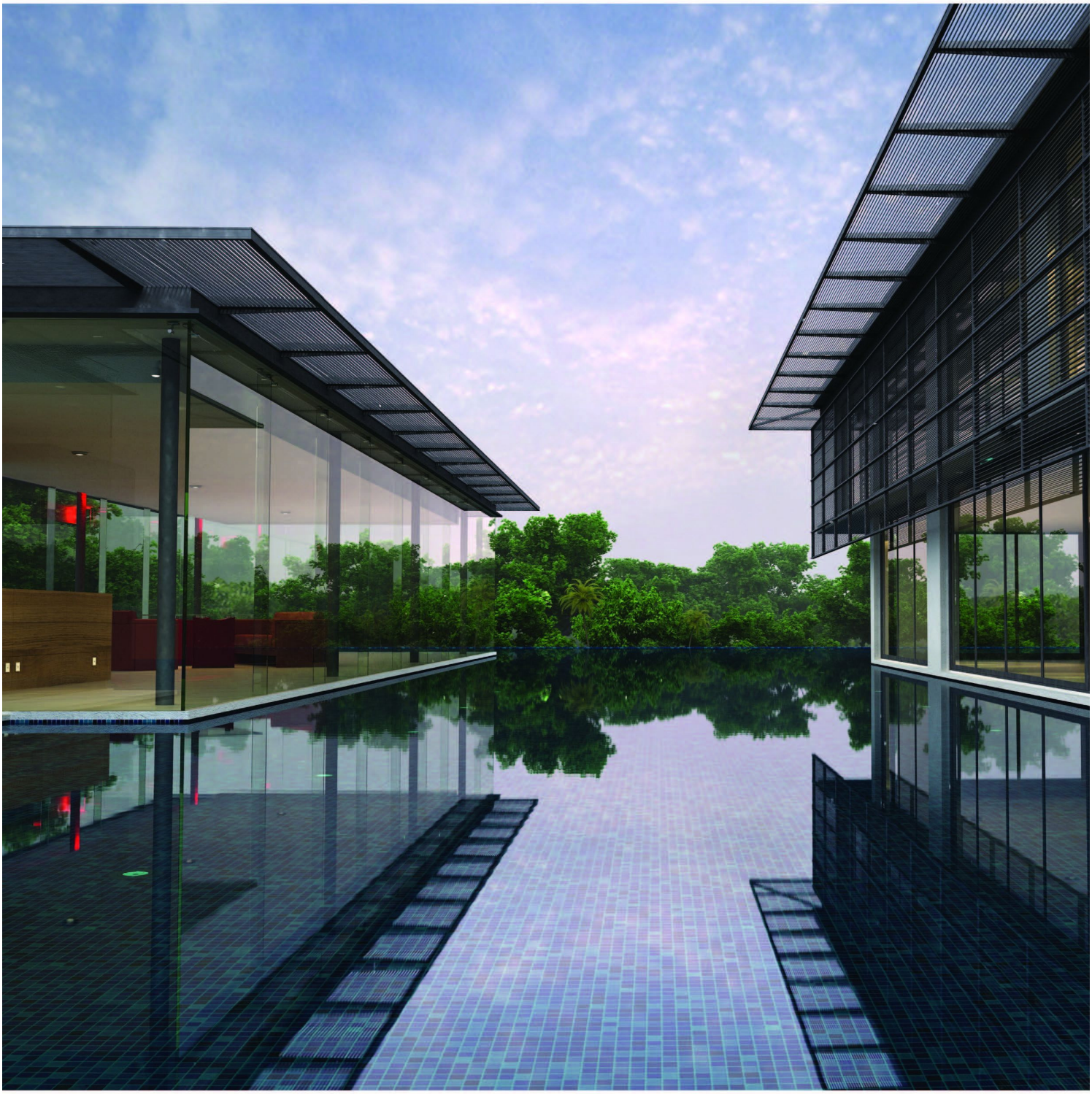
註：請參閱工研院之報告：
edm.itri.org.tw/enews/epaper/10106/e01.htm

LAMI LOUVRE OURDOOR&INDOOR DESIGN

OURDOOR：採用德國壓克力皮料如附件說明 P11.
INDOOR：採用日本EB皮料如附件說明 P14.

LAMI LOUVRE CHARACTER

- outwardly soft with inwardly hard
- triple weather index (outdoor) surface
- non-combustible material
- industry's highest levels of weather-resistant surface
- self-cleaning (outdoor)
- high hardness surface (indoor)



OUR SERVICE

- Able to design louvre project (local)
- Familiar with hardware capabilities, capable to select louvre material and design project (local)
- Experiences to overcome variety challenges of the projects (local)
- Take full charge of the project including planned and managed the project (local)
- Finishing various fabricate of louvre in our own factory
- Has most advanced aluminum louvre surface laminating technologies
- Warranty and commitment to quality.

FEATURES OF MODE

- DESIGN & PLANNING
- ENGINEERING CONTRACTING
- HARDWARE SELECTING
- FILM LAMINATING CARFT
- INTERFACE PROCESSING
- COMMITMENT TO QUALITY
- DIRECT SALES

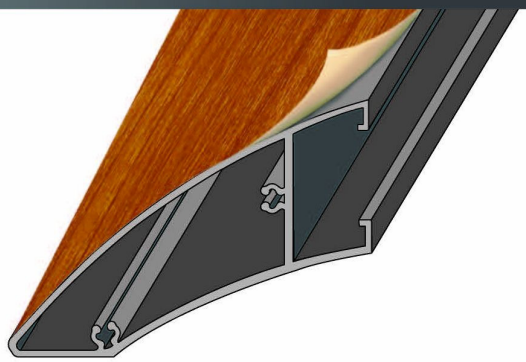
LAMI LOUVRE
LOUVRE BY DESIGN

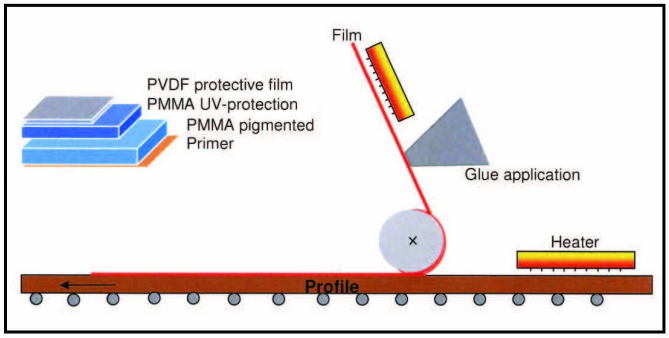
應用於GRAN TOKYO NORTH TOWER

PVDF/PMMA FILM LAMINATING CRAFT

Modes Technical has been co-operated with Italy and Germany professional for many years in the development of technical cooperation, design, manufacture, inspection and reference same level raw materials and machinery. The products of quality are in line with EU norms and ensure to use environmental outdoor sticker which is recommended by RAL (German quality certification of professional institution).

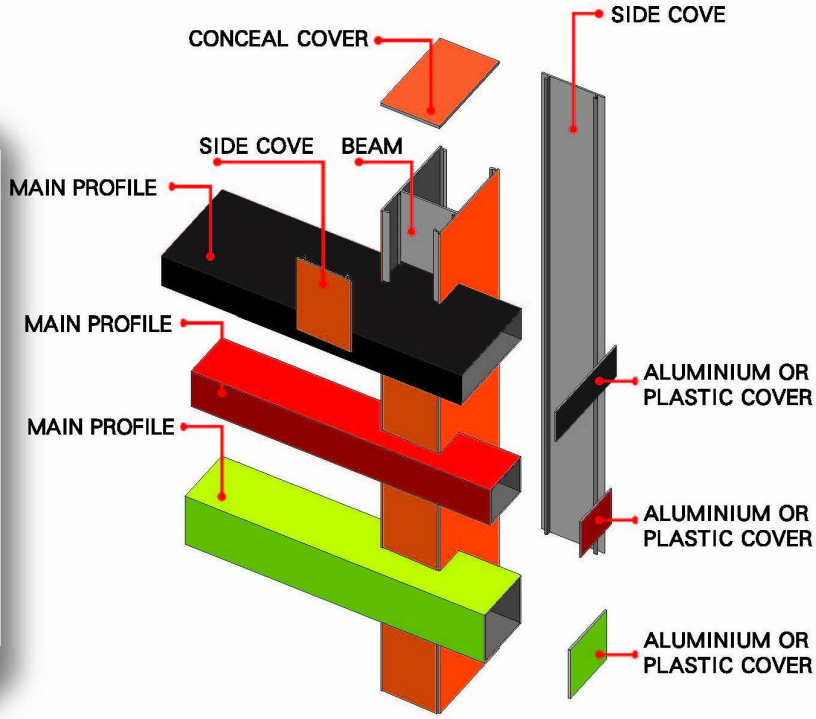
■ http://www.ral-online.org/





LAMI LOUVRE STRUCTURE

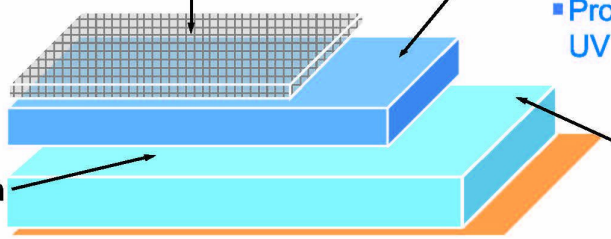
WIND RESISTANCE LAMI LOUVRE 專利號碼:M415184



Product concept 耐候皮料之解剖

請參考工研院電子報 edm.itri.org.tw/enews/epaper/10106/e01.htm

RENOLIT
德國雷諾麗特公司
世界戶外氟碳皮膜專家



Transparent polyvinyliden difluoride (**PVDF**) top layer
透明氟碳皮膜 (不沾鍋特性)

Transparent **PMMA** upper film
透明有機壓克力皮膜
- Weather-resistant ▪耐候性佳
- Protection against UV irradiation ▪抗紫外線

Pigmented **acrylic** base film
有機壓克力皮膜
- SST for reduced heat absorption ▪減低對熱的吸收作用 (SST)
- Improved UV resistance ▪加強的抗紫外線效果
- Extended heat resistance ▪進階的抗熱性

Printing ink for decors
印刷油墨
- Pigments: Solar shield technology(SST)
- ▪顏料：太陽能防護技術 (SST) (遮陽膜工藝)

Testing 測試方法

(1) 人造環境測試

- Detailed tests of films in the labs of our supplier
- 在實驗室內進行表面處理(薄膜)的細部測試
- Weathering tests of each colour and decor with xenon test instruments and natural weathering
- 針對不同顏色及表面塗層，均做了人造環境(氙氣照射)的測試

(2) 自然環境測試

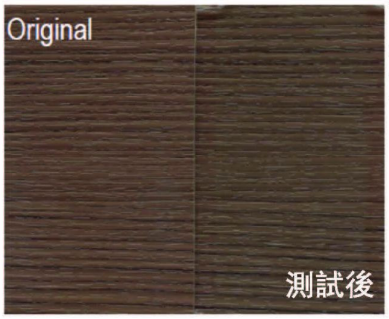
- Natural weathering by an independent test institute (Arizona, Florida, South of France)
- 自然環境的測試在專業及獨立的機構進行(於美國亞利桑那州，佛羅里達州及法國南區)

(3) 永久耐候性測試

- Permanent inspection of weathering resistance by Suddeutsches Kunststoffzentrum, Wurzburg(SKZ),Germany
- 永久耐候性測試在德國烏茲堡進行
- http://www.skz.de/

Artificial weathering: Xenotest 人造環境：氙氣燈照射測試結果

- Mountain Larch 落葉松



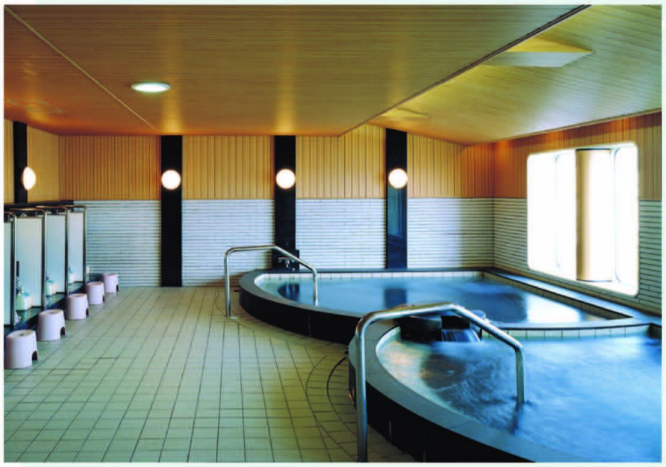
Testing of 28,000 hours Grey scale 4 Irradiation is corresponding with 18 years in Florida

經過28,000小時的測試灰階評分80%約18年之耐候性在佛羅里達

- Rustic Oak 橡木

Testing of 22,000 hours Grey scale 4-5 Irradiation is corresponding with 15 years in Florida

經過22,000小時的測試灰階評分80%-100%約15年之耐候性在佛羅里達



LAMI LOUVRE

LOUVRE BY DESIGN

1 2 3

1. PORCH
2. CEILING
3. PRIVATE SCREEN

EB Technology

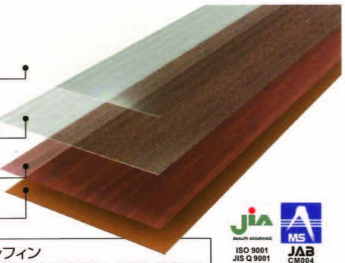
日本業界首創之最先端技術

業界初！ DNPが実現した最先端技術

傷・汚れ・日光に強く、優れた加工適正を併せ持つオールインワン製品

經過電子光束(EB)照射,使分子間形成高密度架構的高硬度膜對耐刮傷、污垢、日曬之表面特性,擁有以往熱硬化型或UV硬化型等表面披覆技術所無法呈現的品質安定性,耐用性及加工性同時在生產過程中均符合無溶劑塗工的節能、減碳等環保要求。

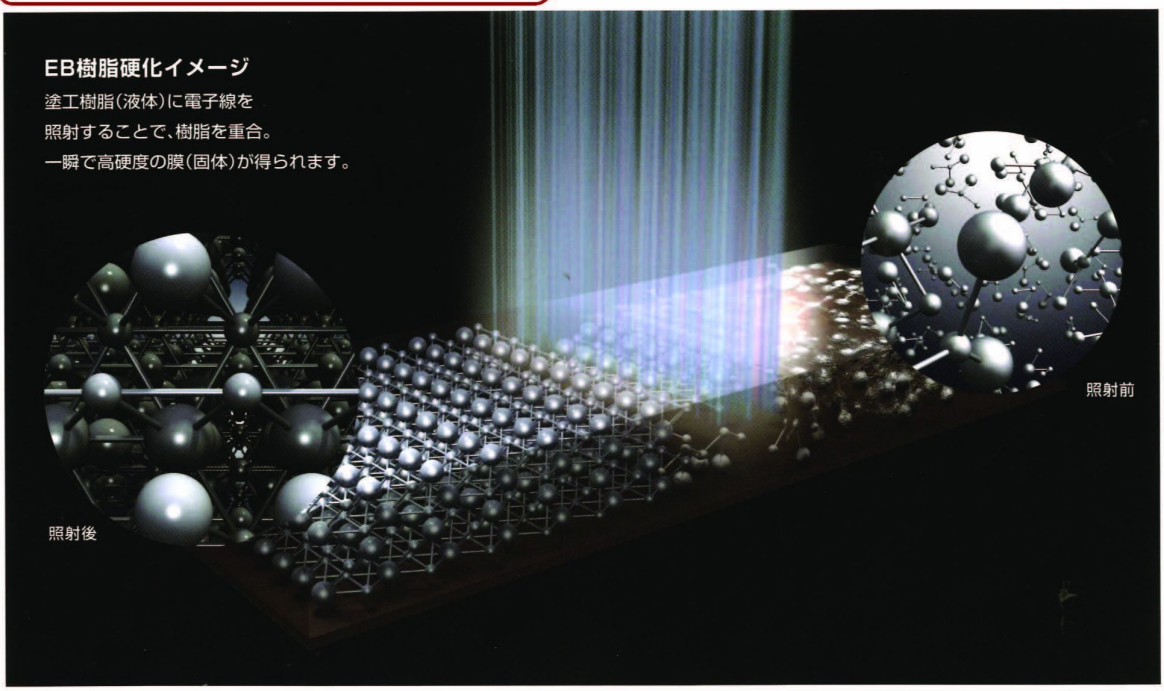
WSサフマーレ



※オレフィン：正式名称はポリオレフィン
ポリプロピレン(PP)・ポリエチレン(PE)など、炭素(C)と水素(H)のみで構成され、燃やすと水(H_2O)と二酸化炭素(CO_2)などになる樹脂の総称です。燃焼時に塩化水素ガスやダイオキシンがほとんど発生しません。

ISO 9001
JIS Q 9001
ISO 14001
JIS Q 14001
JAB CM004

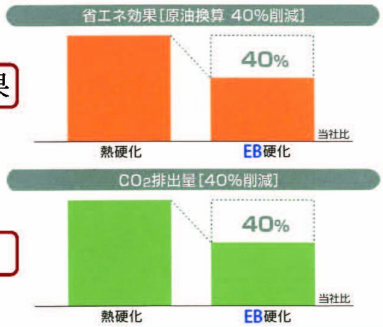
WSサフマーレはISO9001・14001の認証登録を受けた工場で製造しています。



地球環境・人の健康への対応 符合地球環境,人類的健康要求

省エネ・CO_2 削減

EB(電子線)コーティングは当社生産段階で高いエネルギーを効率よく利用し、省エネルギーやCO_2排出量削減を実現します。



節能效果

減碳量

シックハウス対策

シックハウス症候群の原因とされる化学物質のホルムアルデヒド、トルエン、キシレンなど(厚生労働省の指針対象物13VOC)を使用していません。また、「建材からのVOC放散速度基準化研究会」制定の「建材からのVOC放散速度基準」(2008/4/1)に適合しています。

●厚生労働省指針対象物質13VOC

ホルムアルデヒド	クロルピリホス
トルエン	テトラデカン
キシレン	フタル酸ジ-2-エチルヘキシル
パラジクロロベンゼン	
エチルベンゼン	ダイアジノン
スチレン	アセトアルデヒド
フタル酸ジ-n-ブチル	フェノブカルブ

住空間分析評価センター
(ISO/IEC17025認定試験所)

對無毒空間需避免的VOC數值如甲苯、二甲苯...等,成份均符合ISO17025之測試標準。

認定取得日本初！

「建材からのVOC放散速度基準」の測定方法であるJIS A 1901(小形チャンバー法)において日本で初めて「ISO/IEC 17025」を取得しました。

JAB Testing
RTL01330
ISO/IEC 17025試験所認定取得
建材からのVOC放散試験

※認定試験所名称：
大日本印刷株式会社　住空間マテリアル事業部　開発部
※「ISO/IEC 17025」とは「試験所及び校正機関の能力に関する一般要求事項」という国際規格です。この規格は製品を認証しているものではありません。

EB與其它熱硬化在製程中對節能減碳之比較

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

COPY

TÜV SÜD Management Service

CERTIFICATE

The Certification Body
of TÜV Management Service GmbH
certifies that

RENOLIT AG
Horchheimer Straße 50
D-67547 Worms

has established and applies
a Quality Management System for

Development, production and distribution of foils for outdoor use RENOLIT MBAS printed and plain colours

An audit was performed, Report No. **70107296**
Proof has been furnished that the requirements according to

ISO 9001: 2000

are fulfilled. The certificate is valid until **2008-12-14**
Certificate Registration No. **12 100 26975 TMS**

Munich, 2006-01-10

QMS-TGA-ZM-07-92

TÜV Management Service GmbH · TÜV SÜD Gruppe · Zertifizierstelle · Ridlerstrasse 65 · 80339 München · Germany

德國認証

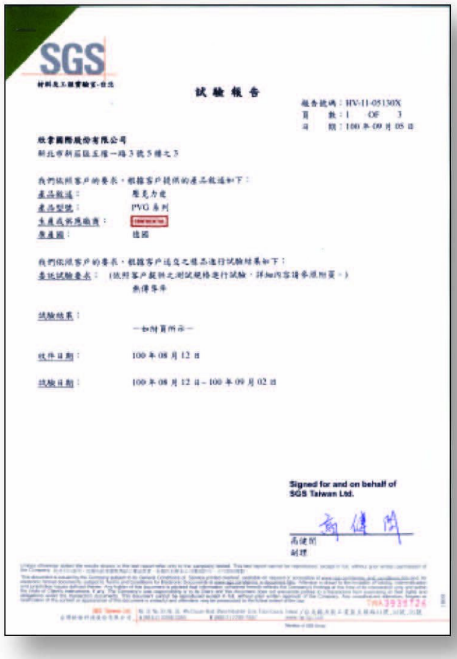
戶外皮研發、行銷、生產、管理經ISO 9001之認証。

台灣SGS實驗報告

進口皮料通過台灣 **SGS** 實驗室的導熱係數試驗報告-節能表現優異

試驗溫度 50 ± 5°C 熱傳導率試驗結果:0.2703W/m K

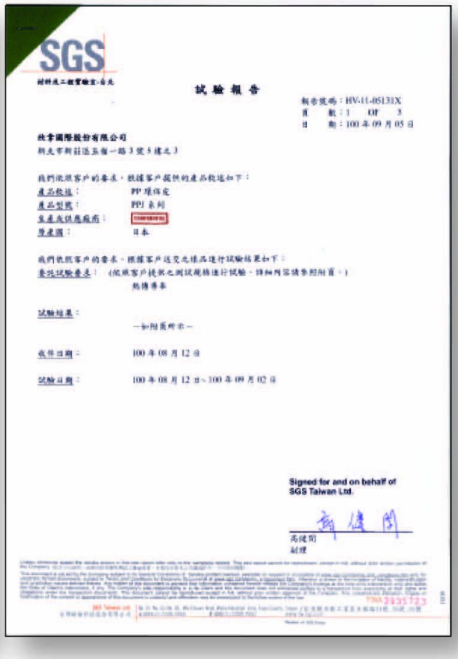
(鋁:237, 銅:401, 不鏽鋼:15, 金:318, 木頭:0.04~0.4)



SGS

試驗報告

Signed for and on behalf of SGS Taiwan Ltd.



SGS

試驗報告

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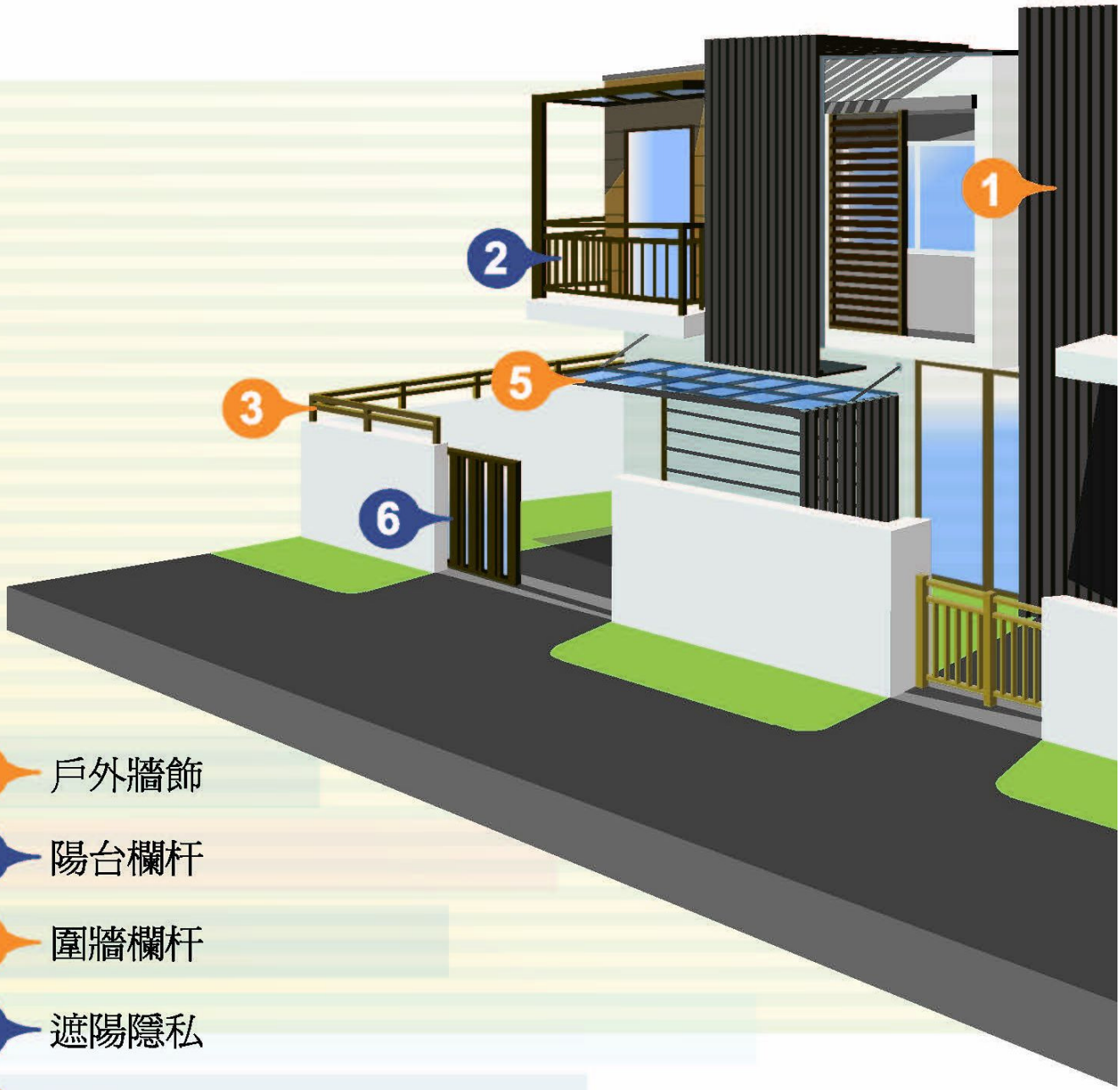


1 戶外牆飾

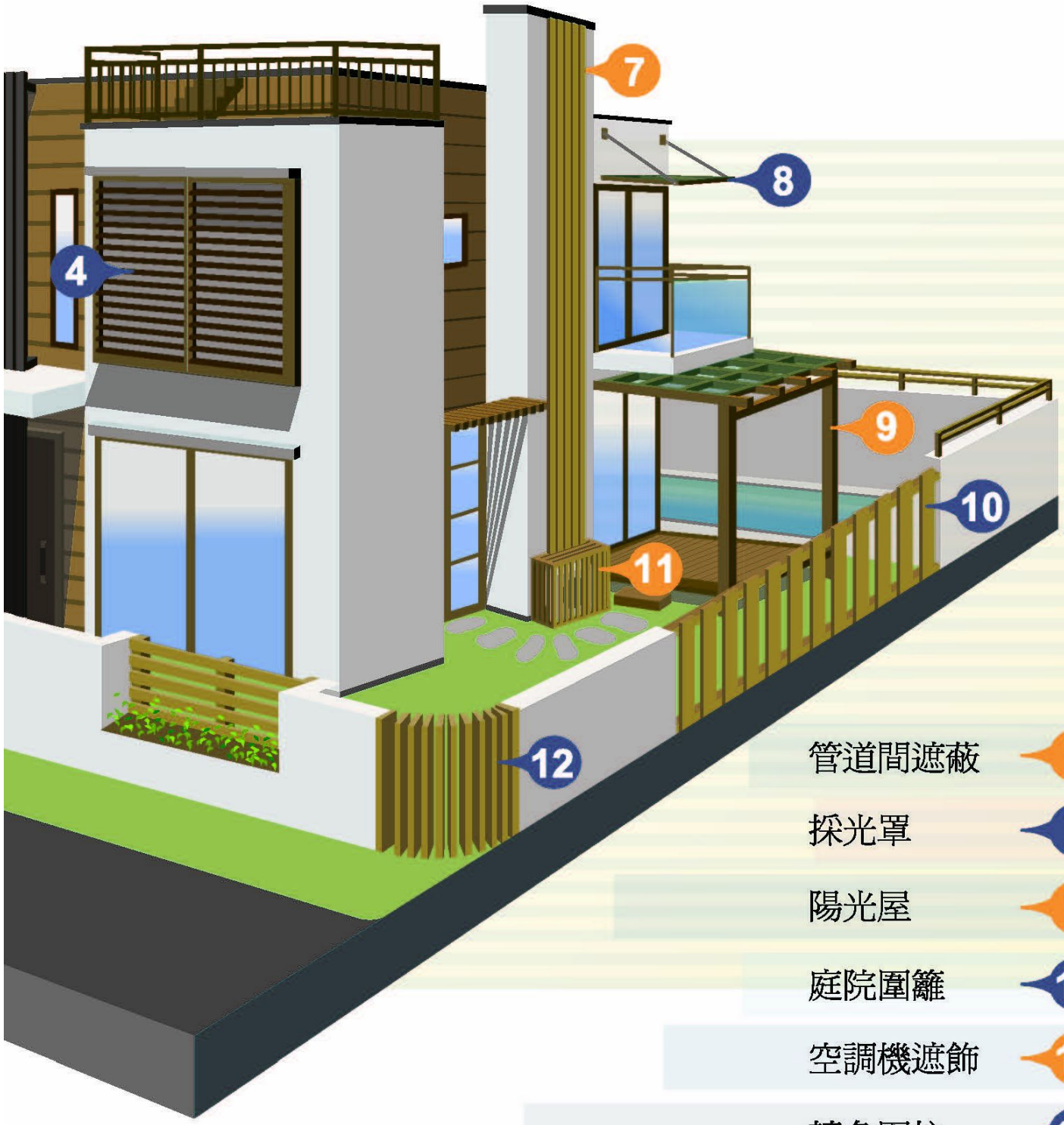
2 陽台欄杆

3 圍牆欄杆

4 遮陽隱私

5 雨遮

6 大門圍欄



管道間遮蔽 7

採光罩 8

陽光屋 9

庭院圍籬 10

空調機遮飾 11

轉角圍柱 12

LAMI LOUVRE

LOUVRE BY DESIGN

LAMI LOUVRE

LOUVRE BY DESIGN

LAMI LOUVRE

LOUVRE BY DESIGN

LAMI LOUVRE

LOUVRE BY DESIGN

1 玄關隔屏

2 壁飾

3 區域隔屏

4 空間遮蔽

露台造景 5

扶手欄杆 6

天花頂飾 7

浴室隱私 8

LAMI LOUVRE

LOUVRE BY DESIGN

LAMI LOUVRE

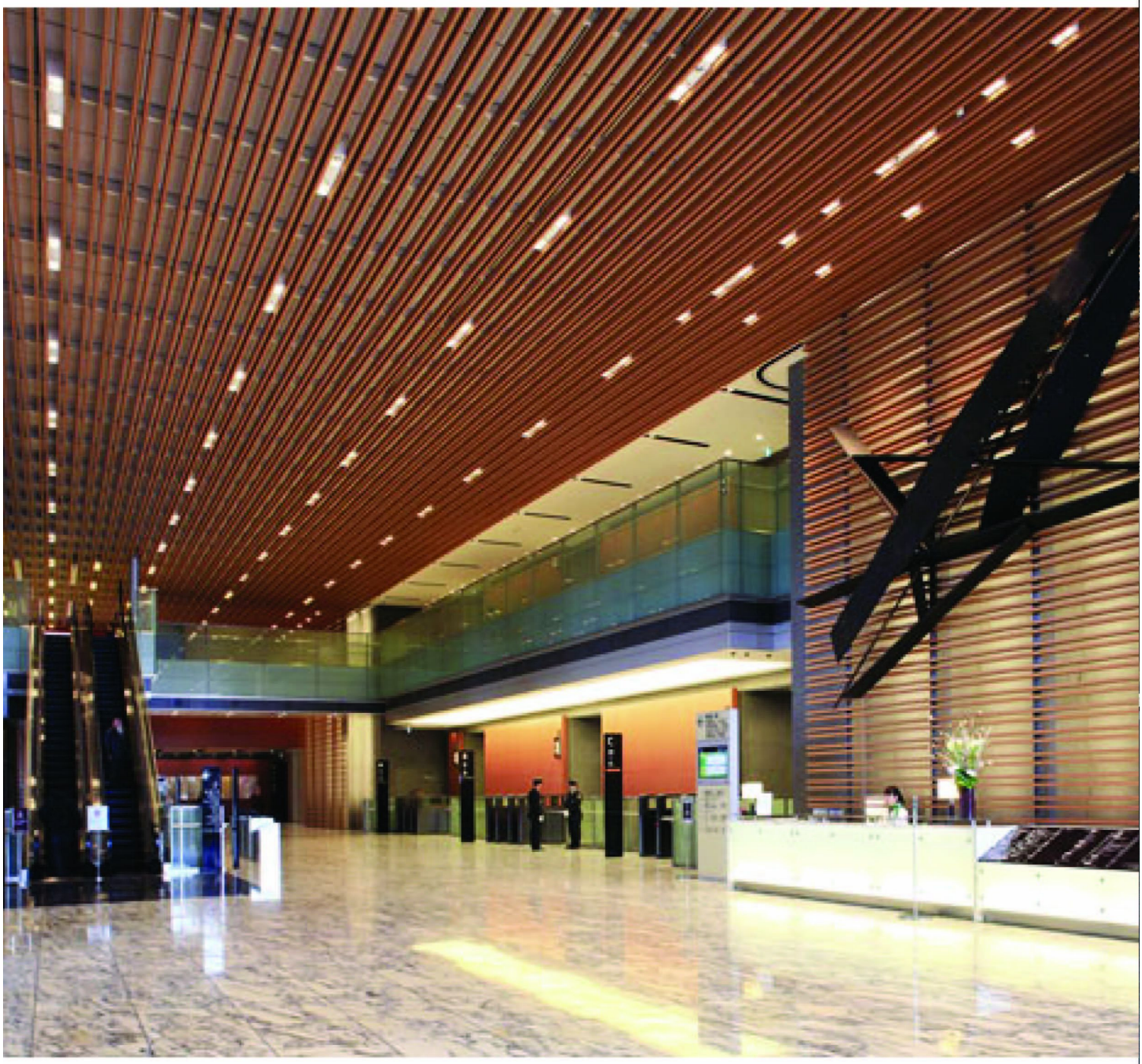
LOUVRE BY DESIGN

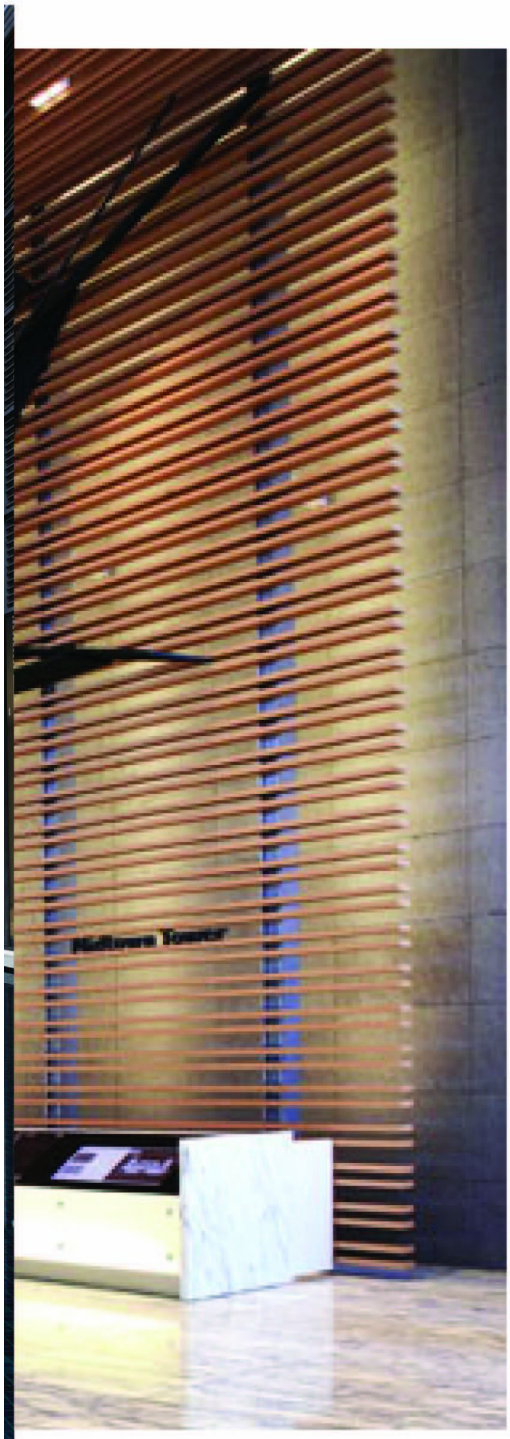
1 1. WALL PARTITION
2 2. CEILING
3 3. OFFICE PARTITION

LAMI LOUVRE

LOUVRE BY DESIGN

1 1. WALL PARTITION
2 2. PARTITION
3 3. COLUMN





CREATING THE INGENIOUS SPACE

HOW TO CHOOSE A QUALIFIED ALUMIUM LOUVRE

01 Safe structure
Whether the construction is safe and resistant to earthquake and storm?

02 Durable metals
Whether hardware & fittings are safely , secure and less susceptible to rusty, aging?

03 High outdoor weather ability, high interior hardness surface
Whether the surface treatment is weathering ability, acid and alkali-resistance and dirty resistant with at least for ten years more?

04 Meeting your request
Whether it can meet the differentiated need of uses?

05 Easy to repair and maintenance
Whether it can meet the differentiated need of uses?

06 Eco-friendly materials
Is the material Eco-friendly and energy saving?

07 Exquisite look
Whether the external appearance design meet the principles of architectural form?

08 Make the space overflow
Whether to create more value of space?

09 Close to nature
Whether the natural elements like air & sunlight can lead via the louvre?

LAMI LOUVRE
LOUVRE BY DESIGN

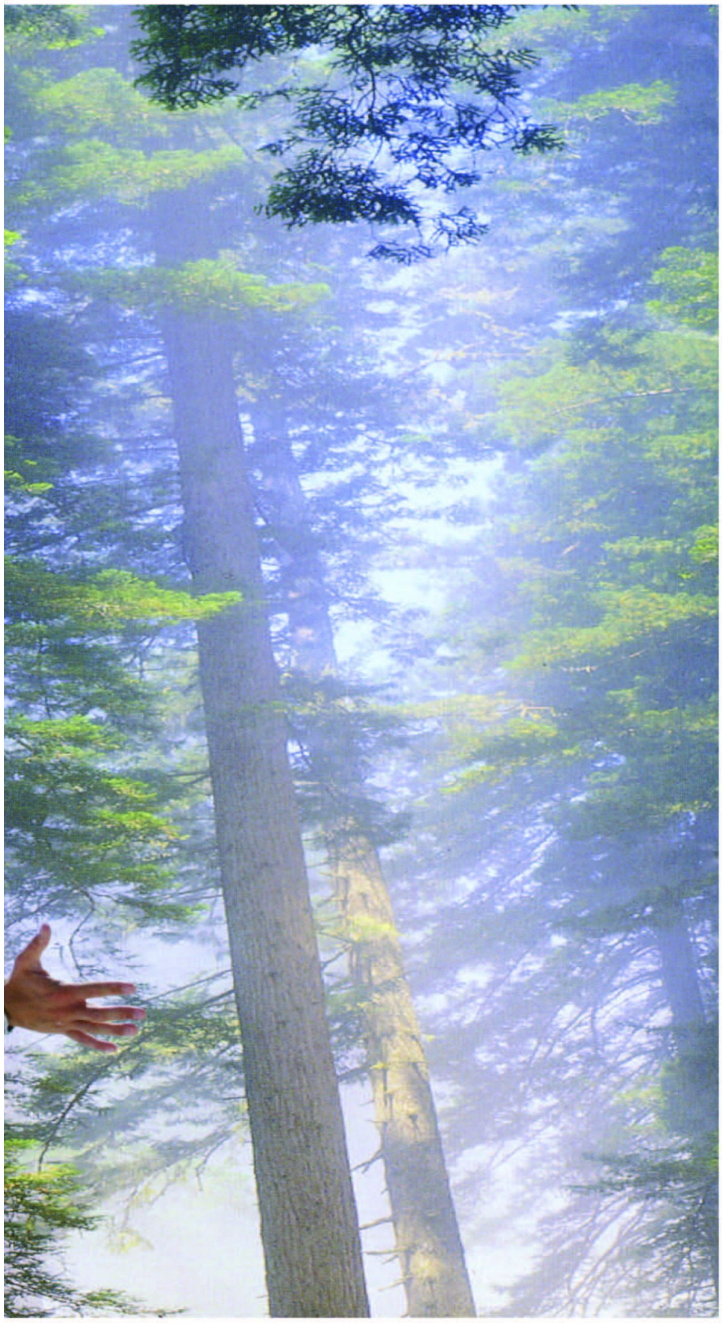
Green Vision Declaration

A tree is beautiful,but what's more,it has a right to life;like water,the sun and the stars, it is essential. Life on earth is inconceivable without trees.Forests create climate,climate influences peoples'character,and so on and so forth.There can be neither civilization nor happiness if forests crash down under the axe...

LAMI LOUVRE

LOUVRE BY DESIGN

Anton Pavlovich Chekhov
(1860-1904)



LOUVRE by design declaration

本鑫岳公司有感於綠建築及外觀簡約風格的興起，鋁格柵已成爲重要的綠建材之一，由於格柵生產條件的門檻較低，一般鋁加工業者都能相繼投入，但是在台灣有颱風及地震的天災，加上酸雨多、日照強、溼氣重...等等，的不良環境，對於建築安全防災的結構設計與慎選建材的品質要求就不容忽視，一般鋁加工業者卻難顧及，導致使用鋁格柵的工案品質良莠不齊，優劣參半。

本公司擁有三十年以上金屬加工、表層覆膜、工程規劃及施工的豐富經驗，加上受到日本知名商社之協助及德國原料廠支持，共同研發製造綠格柵產品。

具有突出的特色如下：

強韌的抗負壓結構，使用專利的搭接扣件，能克服嚴峻天候的挑戰。

雅緻多彩的表面處理，與鋁材結合，能凸顯高畫質的木紋、金屬及藝術質感。

耐候的氟碳壓克力皮膜表層、抗老化，可緩和戶外的冷熱溫度變化，讓建物裡層維持冬暖夏涼，並可延長結構的壽命。

耐酸鹼的抗腐蝕表層，擁有德國具公信力的RAL機構認証，更適合溫泉區、海邊及嚴重污染區的建築使用，可保10年以上不退色。

鑫岳公司除了擁有專業的產品設計、生產技術、工程規劃及施工能力與團隊外，堅守產品與工程品質絕不妥協的政策，致力於服務客戶，深信能讓客戶有感與滿意。

應用於公共建設-天橋

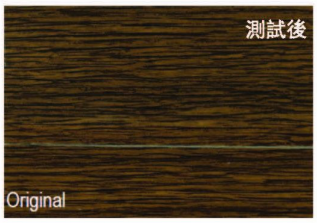
皮料原廠品質保証(德國製)

耐候皮料原廠於美國佛羅里達州測試,
該地區與台灣天候較爲接近。

▪ Mountain Larch

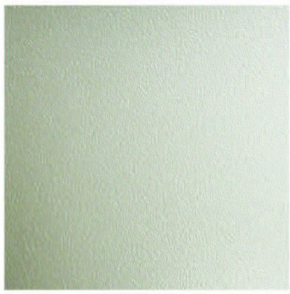
Testing of 28,000 hours
Grey scale 4
Irradiation is corresponding with
18 years in Florida
經過28,000小時的測試
灰階評分80%
約18年之耐候性在佛羅里達

▪ Rustic Oak



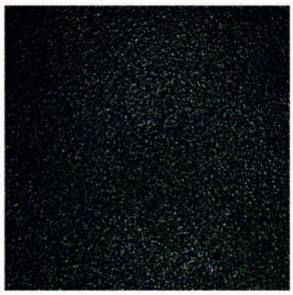
Testing of 22,000 hours
Grey scale 4-5
Irradiation is corresponding with
15 years in Florida
經過22,000小時的測試
灰階評分80%-100%
約15年之耐候性在佛羅里達

多彩戶外綠格柵色卡



SILVER D

SHADOW BLACK



ASH C-35N

PVG-3162

PVG-2178.701

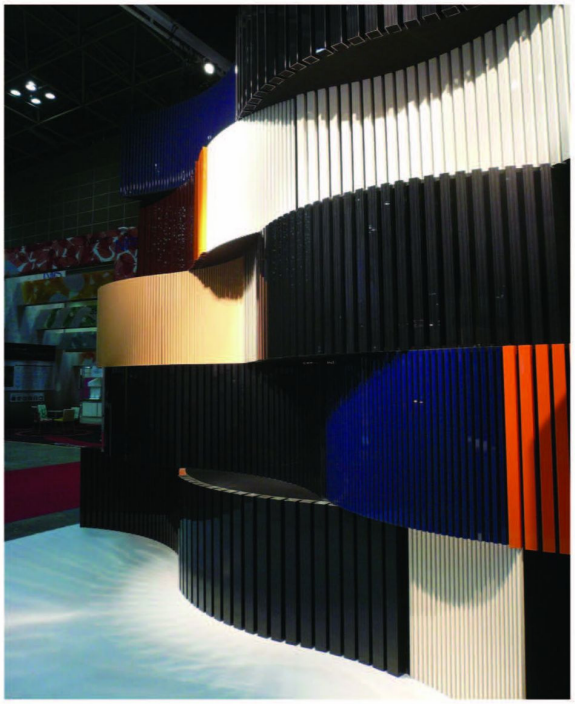
PVG-2052

PVG-3217

Pillar Application

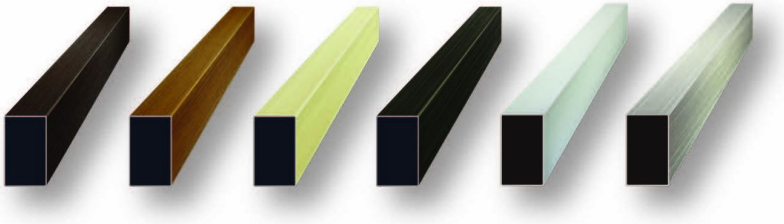
應用於潤泰建設-萬華萬囍

SIZE : (1) 350x350x6000mm
(2) 100x150x6000mm



皮料原廠品質保証(日本製)

EB環保皮料對人體環境無害, 表面塗層係採用日本首創的電子光束(Electron Beam)處理質堅耐磨, 抗刮, 耐衝擊, 強度優於UV烤漆, 經嚴密測試, 超越同類產品, 完美的浮凸印刷技術能凸顯原木、金屬、石材... 自然紋理之美, 且不易退色, 易保養。



多彩室內綠格柵色卡

胡桃木
PPT-886

深橡木
PPJ-5011E

白橡木
PPJ-813E

鐵刀木
PPT-808

純白橡木
PPJ-866E

灰橡木
PPJ-954E

GREEN VISION

LAMI LOUVRE

LOUVRE BY DESIGN

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Fax:02-2290-2082

Mobile:0971-309918

E-mail:modes@twevo.com

Http: //www.green-maker.com

代理商:

綠格柵背景 = 德國設備 + Japan 德國原料 + Made in Taiwan