

Architecture is the reaching out for the truth.
建築就是探求真理

~ Louis Kahn



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玳門





New Cristone

中 釉 玉 晶 石
永垂不朽的科技建材

永垂不朽的科技建材

中釉玉晶石

中釉玉晶石是將玻璃陶瓷材料經高溫加熱予以結晶化處理，使結晶自玻璃中析出，成為結晶與玻璃陶瓷共存的結合體。

由於產品具有**安全、耐用、美觀、優質、環保**等五大特色，品質優於天然石材、金屬板等建材，為實現建築師夢想的最佳科技建材。

適用於大樓內、外牆、圓柱、地板、櫃台及電視牆及桌面等。

Superior building material-crystallized glass panel for interior & exterior walls, floors.

China Glaze's New Cristone is a vitrified ceramic material that has been crystallized by heating at high temperatures. This treatment causes crystals to separate out from glass, forming a composite material in which crystals and vitrified ceramic coexist.

New Christone is safe, durable, beautiful, superior, and eco-friendly. It is superior in quality to such building materials as natural stone and metal panels. It is an ideal high-tech material for making the dreams of architects and designers a reality. Suitable for the interior/exterior walls, columns, floors, counters, and table tops.

玉晶石五大特色 Key Features

安全 SAFETY

耐用 DURABILITY

美觀 BEAUTY

優質 SUPERIORITY

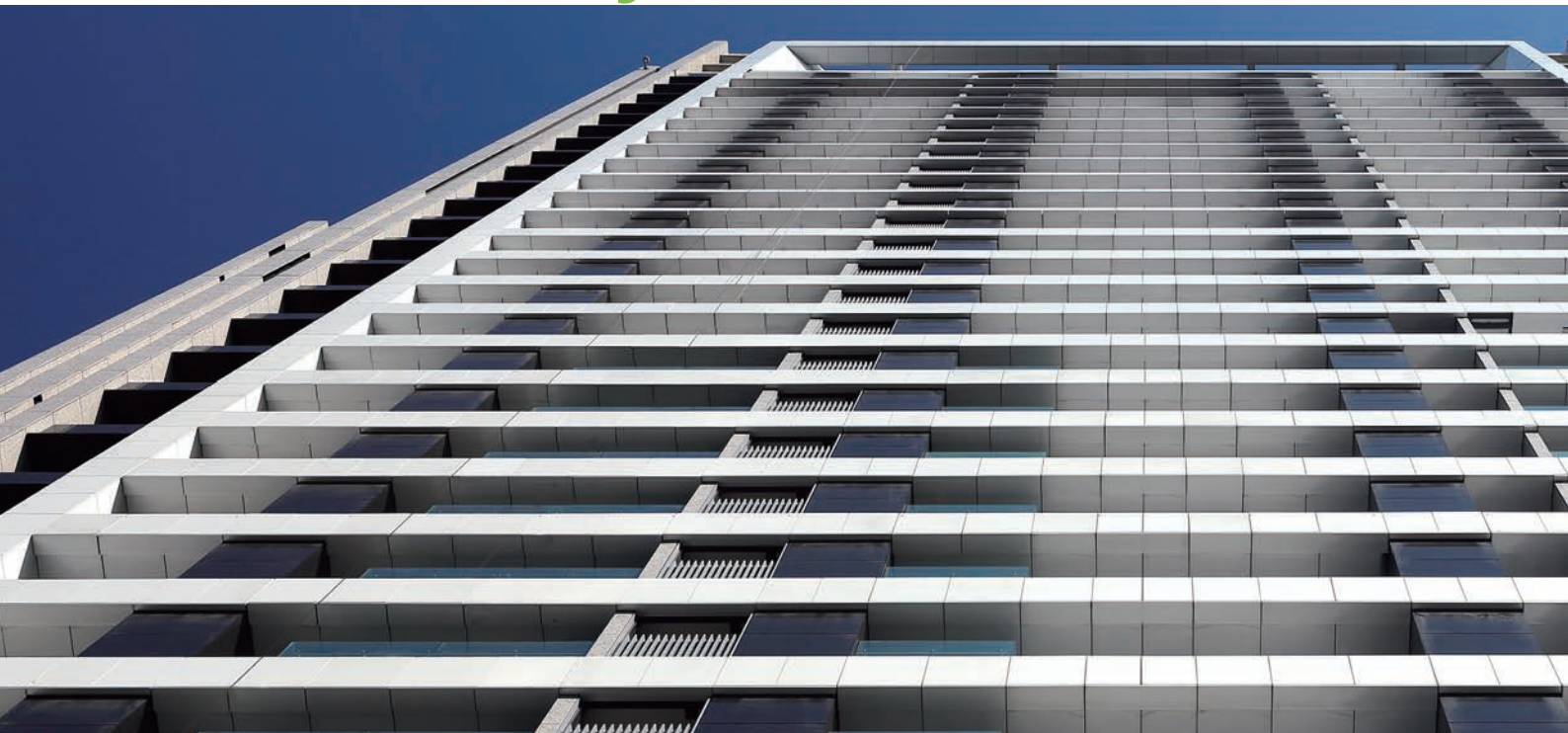
環保 ECOLOGY

Architecture is not about space
but about time.

建築不是空間設計，
而是時間。

~Vito Acconci

安全 Safety



安心安全的不燃建材

玉晶石於建築法規中屬於不燃的安全建築材料，原料經高溫淬鍊，化學、物理性穩定，並通過 CNS6532 一級耐燃測試，是防火性最佳的建材。

A Safe and Non-flammable Material

New Cristone is a non-flammable material specified in building codes. The raw material used in this product is subjected to high-temperature processing to insure chemical and physical stability. It has passed CNS6532 Class I test of resist burn and is an extremely fire-resistant non-flammable material.

抗震性高

玉晶石經震動測試顯示，可承受震度六級的地震，在地震頻繁的台灣，最適合做室內、室外壁材。

High Vibration Resistance

New Cristone has undergone vibration resistance testing and can withstand earthquakes of up to magnitude 6. In earthquake-prone Taiwan, New Cristone is the best material for internal and external walls.

無輻射疑慮

玉晶石主體係屬玻璃陶瓷，完全沒有天然石材的輻射危險，可安心使用。

No Radiation Issues

New Cristone is produced from vitrified ceramic and lacks the radiation hazard of natural stone. It can be used with complete peace of mind.



防火一級耐燃
Class1 Fireproof



抗震6級
Seismic-proof S-6

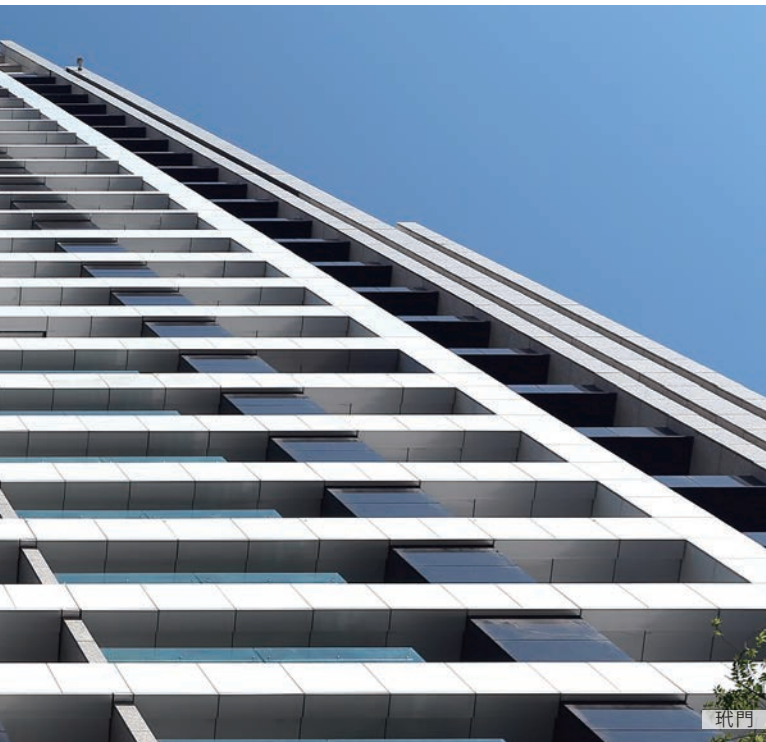


零輻射
Radiation Free



高載重·撐得住
High Bearing Strength

耐用Durability



高強度的百年建材

玉晶石的彎曲強度為石材的 3 倍，且沒有天然石材的節理裂紋，不會產生裂痕，經久耐用百年常新。

優異的耐候性及耐久性

玉晶石的耐酸性及耐鹼性比花崗石、大理石佳，即使用於外壁，長期暴露於酸雨及污穢的空氣中，也不會發生質變、風化等現象，長保美觀、耐用光澤。

耐用美觀零吸水率

玉晶石無毛細孔，所以吸水率為零，水不會滲入，所以不長青苔、不起污染、不必擔心凍結龜裂。混凝土、泥漿、灰塵等污物都難以滲透，永遠維持玉晶石的光彩質感。

保養容易成本低

玉晶石的耐久性佳，品質穩定，平時不需費心保養，就能保有美觀特質。即使有灰塵、污物附著，只要輕輕以水擦拭，就能恢復亮麗的外觀。

Great Material with Strength

New Cristone's bending strength is three times better than natural stone. Because it lacks natural stone's grain, it will not crack. This material will still look fresh and new after a long time.

Extraordinary Weather Resistance

New Cristone resists acids and alkalis better than either granite or marble. Will not deteriorate or weather even when used on an external wall and exposed to acid rain or polluted air. Always keep its attractive appearance and durability.

Easy to Clean

Moisture absorption, as a design consideration, has been eliminated. With New Cristone, contaminants are easily removed during regular building maintenance. Even graffiti can be cleaned without difficulties.

Low-cost in Maintenance

New Cristone is virtually impermeable and are not subject to freeze-thaw damage, penetration by rust, mortar or other staining substances.



強度高，不變形
Low Warpage/Shrinkage



耐酸鹼 不變質
Chemical Resistance



耐候不變質
Weather Resistance



耐油污 好清潔
Stain Resistance

美觀 Beauty

璀璨似寶，自然柔和的質感

玉晶石是將微細針狀結晶從玻璃中析出而成的建材，因此當光線照耀其上，經由微妙的反射，會形成玉石般柔和的質感，綻放出寶石般的璀璨光輝，擁有高貴、瑰麗、自然柔和的最佳質感。

色彩豐富，永不變色

色彩美麗的玉晶石，加上嚴格的生產管制，擁有色調均勻、永不變色的特性。豐富的顏色，除了自然形成的純白色、雕刻白、雪白銀狐、翡翠綠、銀河灰、牙白色、黃金米黃、尊爵黑之外，還可依需要採用噴墨印刷，是天然石材無法做到的。

讓創意更加出色

玉晶石可於生產過程中，運用特殊製程，加入獨特色料，因此可以配合各企業之 CIS 識別需求；目前已突破生產技術，創造出具石紋特色的板片，更能讓建築師、設計師的創意不受限，源源不絕的創造出色作品。

Jewell-like Brilliance and a Soft Sense of Texture

New Cristone contains fine needle-like crystals that have separated out from a glass matrix. When light shines on the surface of New Cristone, a subtle reflection gives it a soft sense of texture reminiscent of marble. Its brilliant jewel-like radiance adds an elegant touch of value and beauty.

Wide Range in Colors

Thanks to strict production controls, we make sure the gorgeous colors of New Cristone are evenly mixed and will never fade or deteriorate. Besides white and marble series, etc., unlike natural stone, other colors could be tailor-made with digital printing and patterns.

Allows Even More Design Originality

Special coloring agents could be added in production of New Cristone, unique tones that meet corp identity needs can be created. This production technique was exceeded to create distinctive Marble series at present. This product allows to exercise unrestricted creativity and come up with even more outstanding works.



富麗雄偉 氣宇不凡
Extraordinary
Elegant



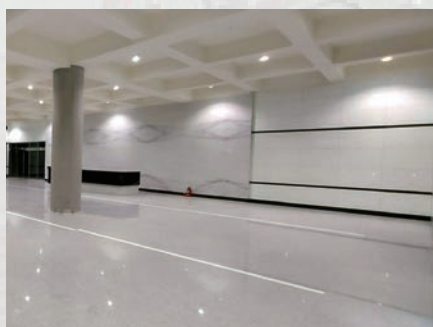
質地潤澤晶亮
Crystal Shining



質感豐富
Bright & beautiful



紋理獨一無二
distinguishing
Character



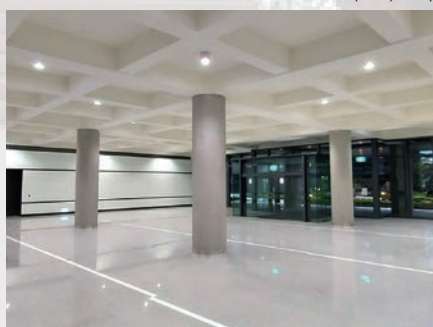
台達電中樞廠 (↑ / ↓)



太陽誘電 (↑ / ↓)



富椿莊 (↑ / ↓)





If you invest in beauty, it will remain
with you all the days of your life.

美，是你最好的投資，它將陪伴你一生

~ Frank Lloyd Wright

松山捷運站

Architecture is the learned
game correct and magnificent
of forms assembled in the light.

建築是光線下形狀正確、
絕妙、絕妙又神奇的遊戲

~Le Corbusier

優質 Superiority

既輕且薄的最佳建材

玉晶石的厚度比天然石材薄約 30%，厚度依需求由 8 ~ 50mm 皆可生產。硬度高於花崗岩，抗彎性強，因此可以輕量化，製造出質量輕、強度大的建材，讓設計者更好靈活運用。

曲面形成容易，經濟美觀

市面上所見的天然石材彎板，是由整塊石材切割雕鑿而成，耗時又耗材。玉晶石由加熱彎曲形成，各種半徑均可訂製，經濟又美觀，而且可配合設計者的規格製造，將設計者的理念完美呈現。

熱膨脹係數低

極低的熱膨脹係數，故玉晶石不會因室外溫度高低變化而變形、龜裂。

Thin and Light Building Material

Because New Cristone is approximately 30% thinner than natural stone: 18-50mm depending on requirement. Hardness of New Cristone is higher than granite and possesses superior bending strength. This light yet strong building material allows architects even greater flexibility.

Easy to Form into Curved Panels

New Cristone can be re-formed into a wide range of convex and concave panels, resulting in greater design flexibility at lower cost than hewn stone.

Low Thermal Expansion

With an extremely low coefficient of expansion, New Cristone is not thermal cracking that can affect other cladding materials.



熱膨脹係數低
Low Thermal
Expansion



品質優 抗老化
High Bearing Strength



保養容易
Easy to Clean



可加工彎曲
Bendable after Heating



昇陽麗石

環保 Eco-Friendly

善用天然資源的人造建材

玉晶石的主要材料為玻璃陶瓷，經高溫處理，使結晶自玻璃中析出，成為結晶與玻璃共存的結合體。中釉公司善用天然資源，創造出品質、產能更優異的科技建材。

可回收的環保建材

在資源逐漸匱乏的現代，人人講求環保、愛護大地，運用科技方法生產出來的玉晶石，廢料可以回收使用，是最不破壞自然的環保建材。

An artificial Material that Uses Resources Effectively

China Glaze uses natural resources effectively in making this high-quality, functional building material.

An Environmentally-friendly Recyclable Material

In a time when natural resources are being consumed rapidly, people are calling for environmental protection and respect for the Earth. New Cristione is produced in a high-tech process that allows the reuse of wastes. It is a top-quality building material that will not harm the natural environment.



無毒性·好環保
Eco-Friendly



預訂成型 少廢料
None Cutting-Waste



可回收
Recyclable



友善環境
Eco-Friendly



LEXUS 展售中心



HONDA 展售中心





I call architecture frozen music.

建築，就是被凍結了的音樂

~Johann Wolfgang von Goethe



MITSUBISHI 展售中心



NISSAN 展售中心



中國信託

公共建築、醫院與宗教建築

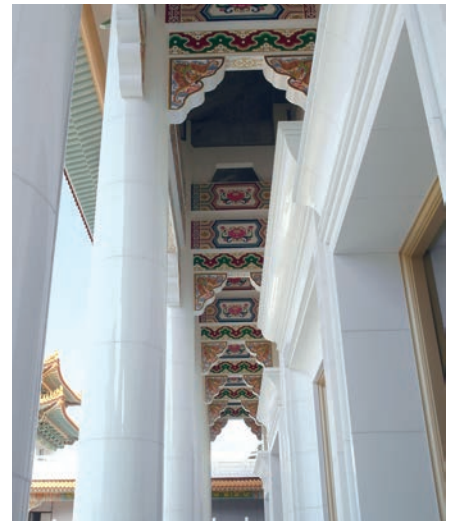
Public buildings, hospitals, and religious architecture



鹿港路加醫院



台北市警局石牌派出所



埔里明善寺



新北市警局汐止分局



埔里明善寺



埔里明善寺



台大兒童醫院



潭子慈濟醫院



台中軟體園區



淡水市民服務中心

住宅及商業大樓 Residential and commercial buildings

One of the great beauties of
architecture is that each time
it is like life starting all
over again.

建築的一大美麗之處在於，
每一次它都像是一個
重新開始的生命

~Renzo Piano



玳門



敦藏



京都大觀 (ONE 台北)



昌益建設總部



碧根履願



明日博



陽明一會

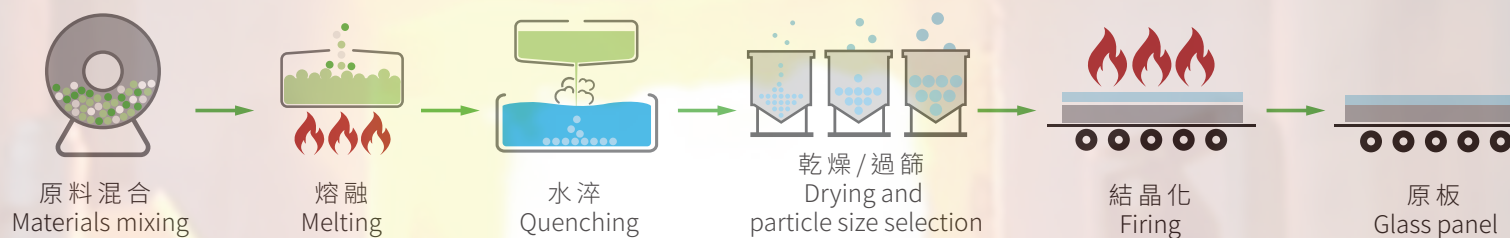


吉鴻電子



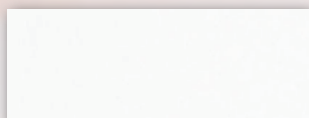
東立物流中心

生產製造 Production Process

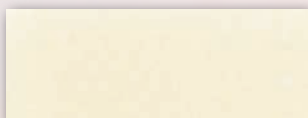


產品色系 Color Variation

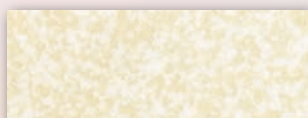
玉晶石



NL-1083 白色 White



NL-1653 象牙白 Ivory



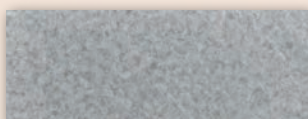
NL-2613 黃金米黃 Gold Beige



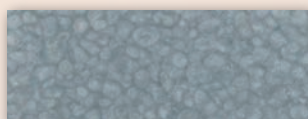
NL-1663 米黃色 Beige



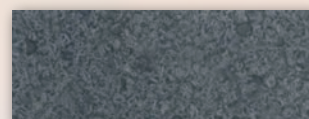
NL-1373 翡翠綠 Emerald



NL-9841 淺灰色 Light Gray

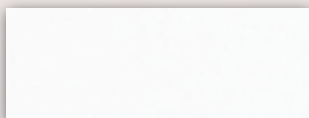


NL-9851 銀河灰 Gray



NL-9862 深灰色 Dark Gray

米蘭玉石 (18mm)



NL-2033 白玉系列



NL-2034 大雕刻系列

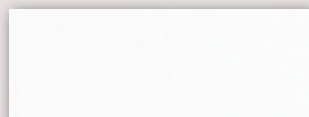


NL-2035 銀狐系列

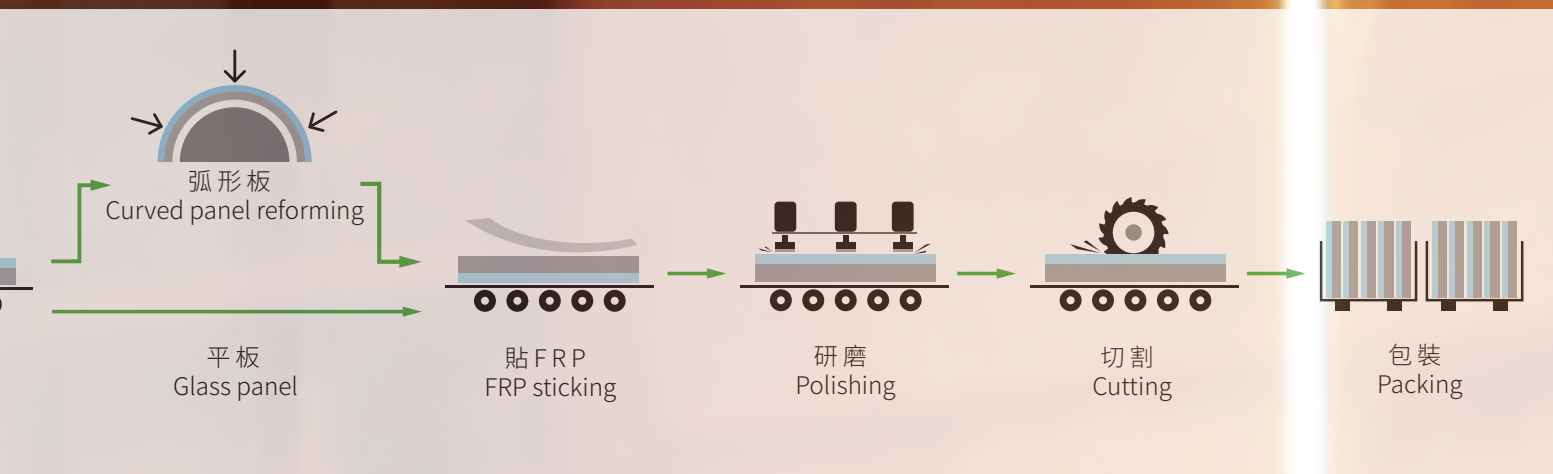


NL-2036 雕刻白系列

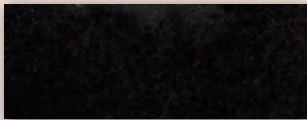
複合結晶石



NL-1093 白色 White



琉璃玉石



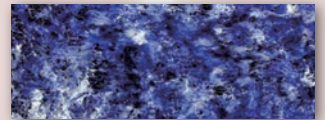
NL-2933 黑色曜石



NL-2333 綠色森林



NL-2233 藍色海洋

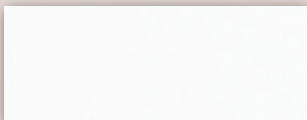


NL-2433 藍色星空



NL-2533 紫色咖啡

米蘭玉石 8mm 薄板



NL-2033 白玉系列



NL-2034 大雕刻系列



NL-2035 銀狐系列

特性與性能 Properties & Characters

玉晶石與其他建材比較表

Characters Comparison (New Cristone vs. building materials)



特性 Properties	檢測標準 Standards (ASTM)	玉晶石 New Cristone	米蘭玉石 Milano Cristone	複合結晶石 Double Layer	大理石 Marble	花崗石 Granite
比重 Specific gravity (g/cm ³)		2.6	2.5	2.33	2.7	2.7
彎曲強度 Bending Strength(kg/cm ²)	C880	250	600	125	170	150
抗壓強度 Compressure Strength (ton/cm ²)	C170	3.0	3.5	2	0.9-2.3	0.6-3.0
瞬間破裂強度 Sudden-Shock Strength (kg×cm /cm ²)		2.5	2.5	-	2.1	2.0
彈性係數 Young's Modulus (×10 ⁴ 、kg /cm ²)	CNS 2215	6.0	6.5	-	2.8-8.4	4.3-6.7
莫氏硬度 Morse (Moh's)		4~6	4~6	4~6	3-5	5.5
腳踏磨損抗力 Abrasion Resistance		27	27	-	20-25	40-50
比熱 Specific Heat (cal/g – 50°C)		0.19	0.19	-	0.19	0.19
熱膨脹係數 C. O. E (×10 ⁻⁷ /°C . 30 ~ 380°C)		80	80	-	80-260	50-150
熱傳導率 Thermal Conductivity (kcal / nhr°C)		1.75	0.32	-	1.9-2.0	1.8-2.1
吸水率 Water Absorption (%)		0.08	0.07	結晶層 0.02	0.30	0.35
耐酸性 Acid Resistance (1% H ₂ SO ₄)		無異狀	無異狀	無異狀	10.3	1.0
耐鹼性 Alkali Resistance (1% NaOH)		無異狀	無異狀	無異狀	0.30	0.10
凍結抵抗 Freeze Resistance (%)		0	-	-	0.23	0.25
UV 黃化測試 Yellowness Index	G155-13 E313-15el	無異狀	無異狀	無異狀	-	-
UV 色差測試 Color Difference	G155-13 D2244-16	無異狀	無異狀	無異狀	-	-

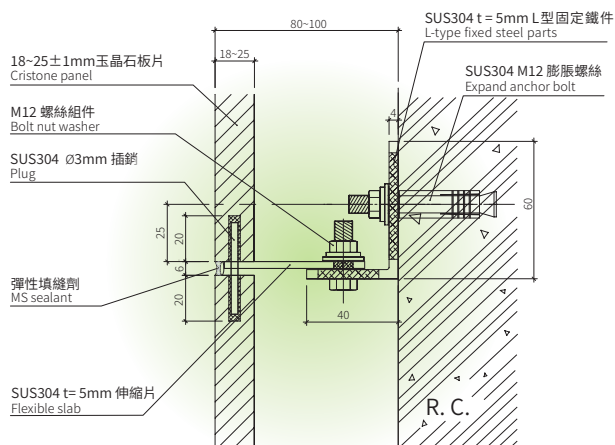
附註：本表為材料經專業驗證單位多次試驗之平均值，僅供參考用 (t: 18±1 mm/14±1 mm) ** 另具測試報告備查

施工圖例 Construction

外牆施工圖例

For walls

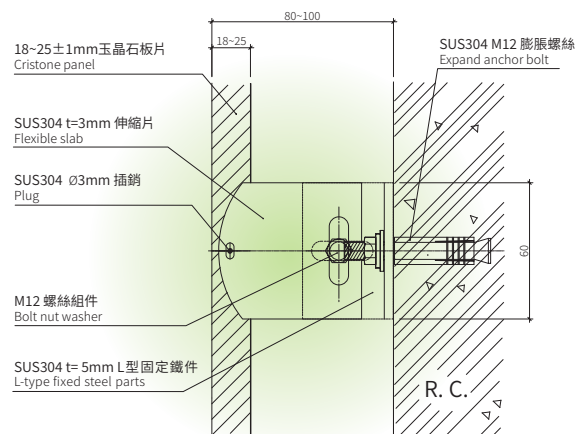
縱剖圖 Vertical Section View



外牆施工圖例

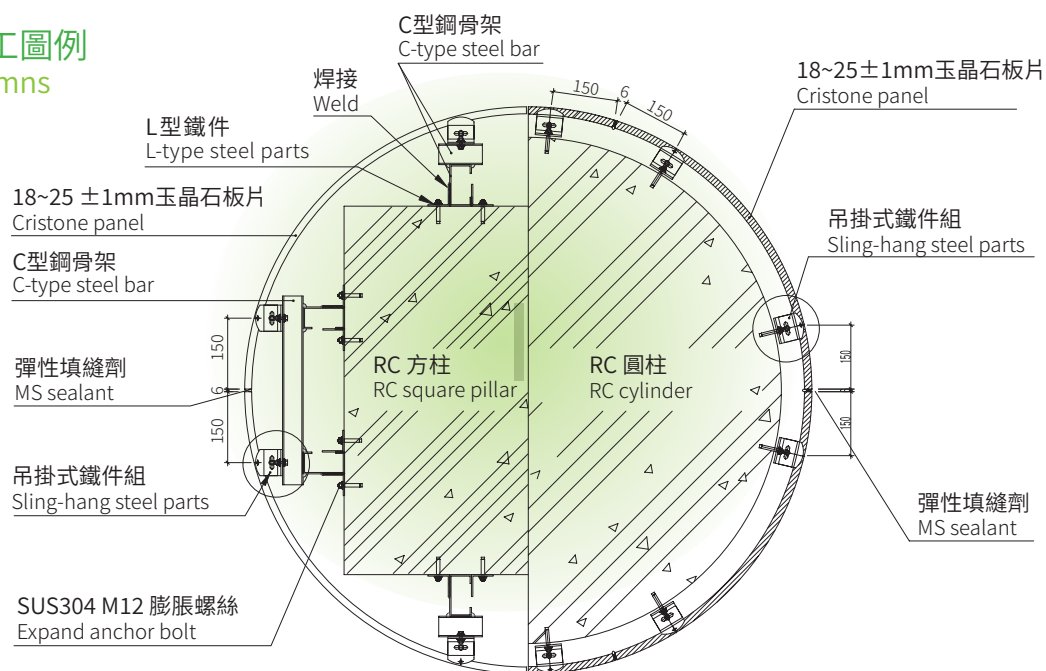
For walls

橫剖圖 Horizontal Section View



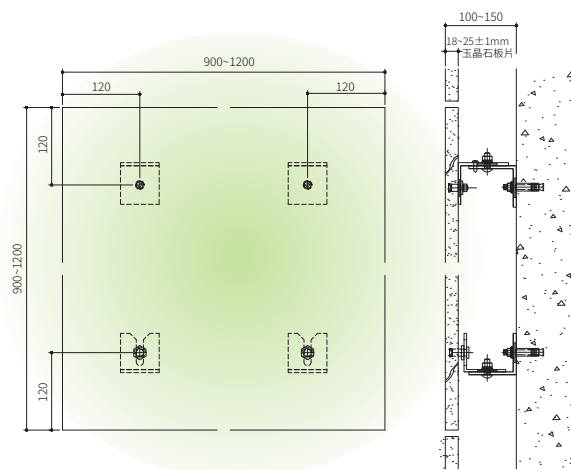
圓柱施工圖例

For Columns



背擴孔空縫施工圖

For Wall Reaming



標準尺寸表 Standard sizes

平板 Flat Panel

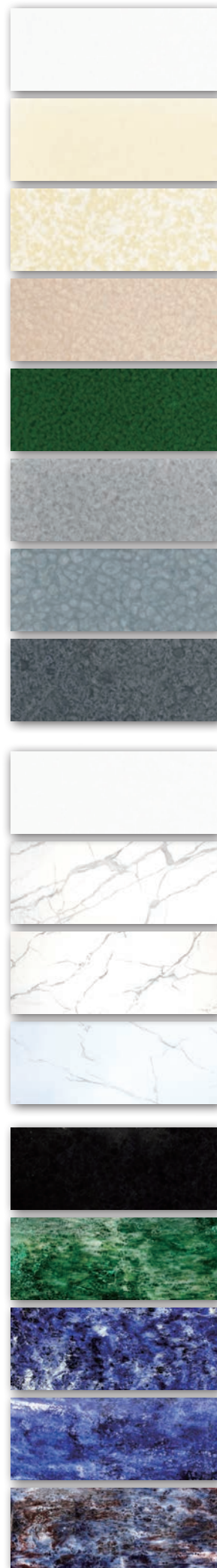
料品編號	長 mm	寬 mm	厚 mm	名稱	備註
玉晶石					
NL-108318	1600	2800	18	白色	
NL-108325	1600	2800	25	白色	
NL-165318	900	900	18	象牙白	
	900	1200	18		
NL-261318	1600	2800	18	黃金米黃	
NL-166318	900	900	18	米黃色	
	900	1200	18		
NL-137316	900	900	16	翡翠綠	
	900	1200	16		
NL-984118	1600	2800	18	淺灰色	
NL-985118	1600	2800	18	銀河灰	
NL-986218	1600	2800	18	深灰色	
複合結晶石					
NL-109314	600	600	14	白色	
NL-109312	800	800	12	白色	
NL-109314	800	800	14	白色	
米蘭玉石 (8mm 為薄板)					
NL-203308	1600	2800	8	白玉	
NL-203318	1600	2800	18	白玉	
NL-203408	1600	2800	8	大雕刻	
NL-203418	1600	2800	18	大雕刻	
NL-203508	1600	2800	8	銀狐	
NL-203518	1600	2800	18	銀狐	
NL-203618	1600	2800	18	雕刻白	
琉璃玉石					
NL-293320(12)	1100	2200	20(12)	黑色曜石	
NL-233320(12)	1100	2200	20(12)	綠色森林	紋路板
NL-223320(12)	1100	2200	20(12)	藍色海洋	紋路板
NL-243320(12)	1100	2200	20(12)	藍色星空	紋路板
NL-253320(12)	1100	2200	20(12)	紫色咖啡	紋路板

弧形板 Curved Panel

	標準厚度 Thickness (mm)	標準半徑 Standard Radius (mm)	最大中心角 Max. Centre Angle(°)	高度 Height (mm)	弧長 Arc Length (mm)
四片接	18 ~ 25 ± 1	200	90	900 ~ 1200	308
四片接	18 ~ 25 ± 1	350	90	900 ~ 1200	543
四片接	18 ~ 25 ± 1	450	90	900 ~ 1200	700
四片接	18 ~ 25 ± 1	550	90	900 ~ 1200	858
五片接	18 ~ 25 ± 1	700	72	900 ~ 1200	873
六片接	18 ~ 25 ± 1	900	60	900 ~ 1200	936
七片接	18 ~ 25 ± 1	1000	51.42	900 ~ 1200	892

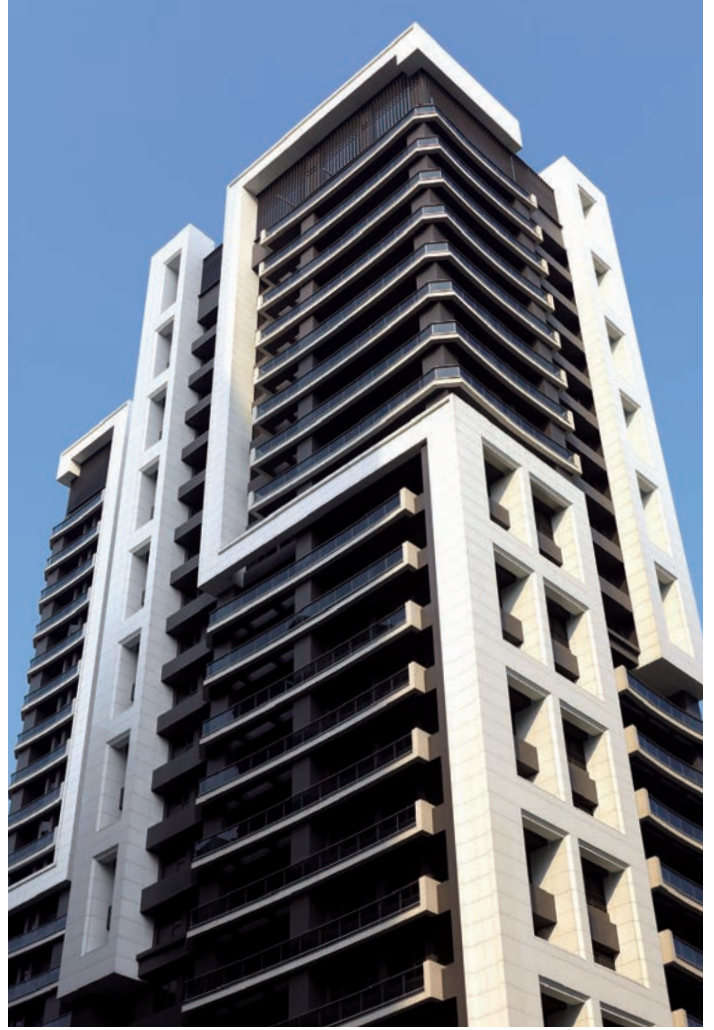
附註：本表尺寸僅供參考用實際尺寸顏色，請以實品為準

*Remarks: The above data is for reference only, please refer sizes and colors to actual products.





都市策略



翔譽雙子星



米蘭玉石系列

8 釐 米 的 輕 奢 華

米蘭玉石 (8mm)，是玻璃與陶瓷結合的創新材料。紋路拼花變化萬千，可完美搭配原木、磁磚、金屬，能滿足對質感挑剔的業主、建築師及室內設計師。

- 商辦大樓
- 公 寓
- 透天住宅
- 輕奢豪宅
- 辦公室
- 醫療診所
- 牙 科
- 美體SPA
- 寵物美容
- 美容中心
- 美妝藥局
- 美髮沙龍
- 歐風café
- 咖啡餐飲
- 甜點屋
- 烘焙坊
- 珠寶展售中心
- 汽車展售中心
- 老屋改造
- 裝潢修繕



牆面、形象牆、電視牆、桌面、流理台、防濺板、
中島檯面、洗手台、吧台、工作台、家具面材、飾板、梯廳



可透光 變化多



強韌Q彈 耐衝擊



耐燃燒 耐高溫



耐油污 好清潔



硬度高 耐磨刮



不收縮 不膨脹



零吸水 不長黴



耐酸鹼 不變質

萬能透光大板磚

2大優勢完勝陶磁薄板！

堅韌耐衝擊



透光如翡翠

