Kinlong introduction and General Product Solution

www.kinlong.com

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1.1 General Introduction

KIN LONG
For Better Living

Established	Listed in SZSE (Shenzhen Stock Exchange)	Stock Code:
in 2003	in 2016	002791

Construction Area	Employee
800,000 sqm	More than 11,000

Sales & Service Offices	Branch & Subsidiary	Sub-Brands
More than 700	More than 60	More than 60

1.3 Headquarter Industrial Zone

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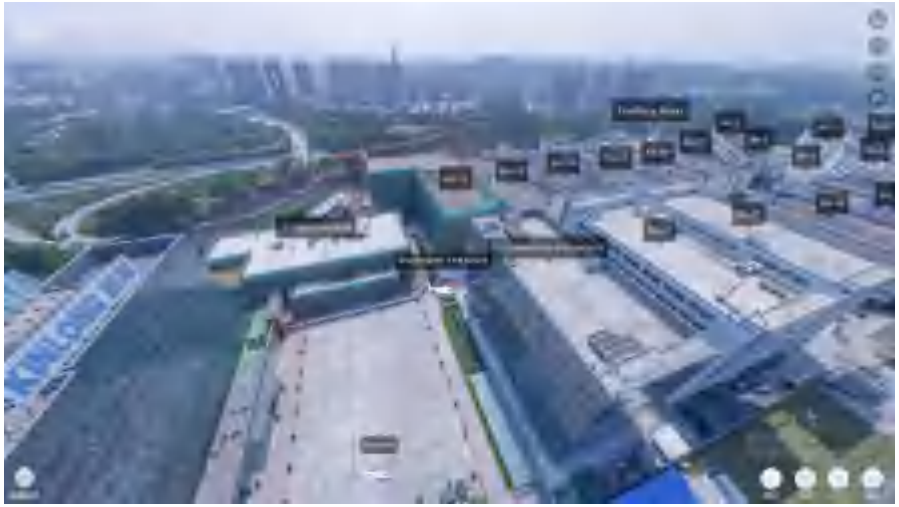

- 1.5 hour drive from Shenzhen Bao'an Airport
- 2 hour drive from Guangzhou Bai Yun International Airport
- 2 hour drive from HK International Airport

Company Address：

No.3, Jian Lang Rd., Daping, Tangxia Town,

Dongguan City, Guangdong Province, China

Zip: 523722

1.3 Headquarter Industrial Zone

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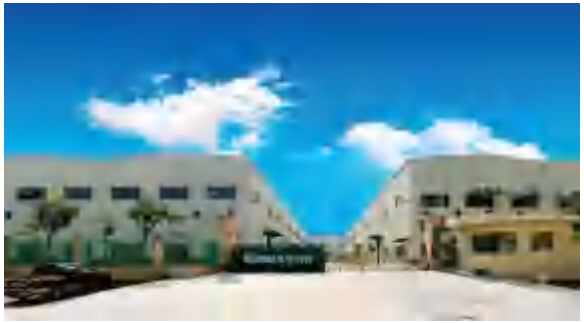
HQ FACTORY(I)

HQ FACTORY(II)

KINEX FACTORY



HENAN FACTORY

ZHONGSHAN FACTORY

KINLONG 坚朗
the world’s largest integrated supplier of building accessories

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Residential Building Integration Solutions

Interior decoration products

D&W hardware
Kitchen supplies
Bathroom integration
Balcony products
Door and window energy-saving materials
Wall and floor materials
Lock hardware
Door control hardware
Secondary water supplying
Interior wall coating
Decorative ceilings
Waterproof materials
Smart home integration
Cabinets
Elevator
Pipe products
Radiator

Exterior wall products

Exterior wall coatings
Anchor system
Aluminium panel
Integrated thermal insulation wall panel

Smart Community products

Water park facility
Electric rail
Video intercoms
Monitoring system
Firefighting supplies
Parking lot integration
Sports and fitness amusement facilities
Landscape lighting

Electrical products

Wires and cables
Switches and sockets
Electric distributor box/cupboard
Ventilation devices
Bathroom heater& air exchange fan

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Rail Transit Integrated Solutions

Shield area (interval tunnel penetration)

Electrical bracket

Waterproof materials

Segment anchoring bolts

Anchor products

Embedded products

Mechanical and electrical decoration (rail transit)

Wire and cables

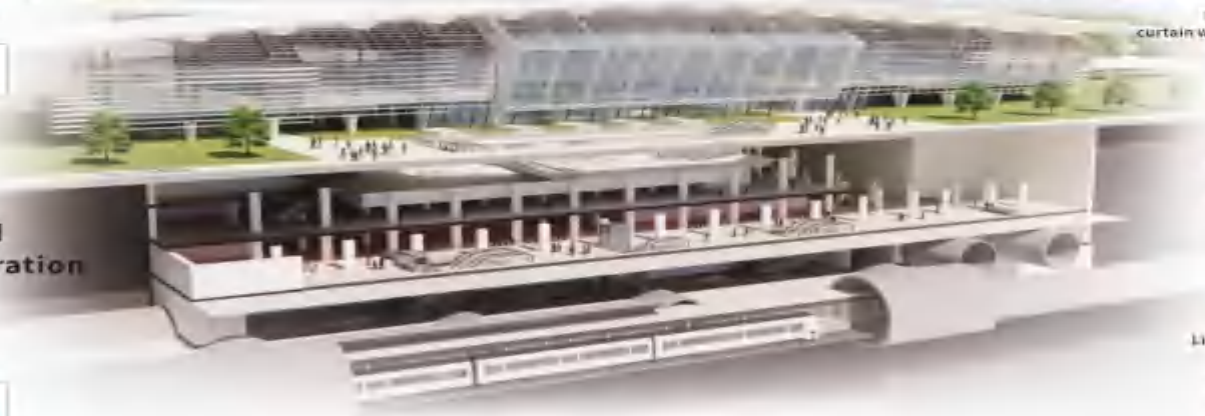
Hanger& supportor

Hanger shelf

Electric distributor box/cupboard

Fireproof products

Sewage lifting equipment



Decoration of public areas (station access)

LED screens

Ceiling decoration

Stainless steel sheet metal

rod & cable

Point-fixed and curtain wall accessories

Post railing

ACP

Post railing &ticket booths

Aluminum panel

Screen Door

Lighting products

Bathroom integration

Accessible restroom

Security device

Lock hardware

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Sports Building Integrated Solutions

Concrete structure hardware

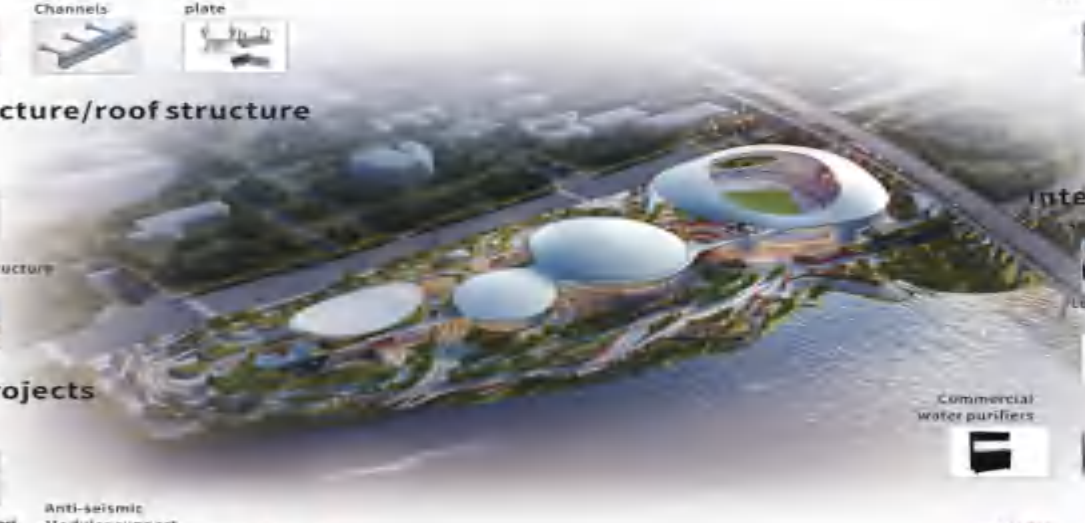
Waterproof materials
Anchor products
Anchor Channels
Anchor plate

Space steel structure/roof structure

Cable & rod
Steel castings
Metal roof screws
Membrane structure products

Weak current projects

Wire and cables
Cable rack
Distribution box
Modular support system
Anti-seismic Modular support system
Fireproof products



Exterior wall products

Intelligent window controls
Aluminum panel
S.S cable & rod
D&W hardware integration
Sealing strips

Interior decoration products

Ceramic tiles
Sports flooring
Lock hardware
Bathroom products
Integrated ceilings
Commercial water purifiers
Switch sockets
Post railing
Door control hardware

Outdoor landscape

Garden landscape
Flood lighting
Artifial grass
Rubber runway

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Commercial Complex Integrated Solutions

Construction foundation products

Waterproof materials

Municipal pipes

Modular support system

Anti-seismic Modular support system

Parking lot integration products

Intelligent parking lots

Floor coatings

Public area decoration products

Monitoring system

Electric rail monitoring

Office room equipments

Lifting Columns

Outdoor landscape bricks

Amusement facilities

Fire protection products

Rubber runway

Exterior wall products

Anchor channel and bolt

Building flood lighting

Aluminum composite panels

Aluminum panel

Integrated thermal insulation wall panel

Facade accessories

Exterior wall painting materials

Transparent LED screens

Interior decoration products

Ventilation equipments

Automatic doors

D&W integration

Lock hardware

Electric sunshades

Ceramic sanitary ware

Wall and floor materials

Bathroom partitions

Interior lighting

Bathroom hardware

Bathing cabinet

Commercial kitchen

Post railing

Photoelectric glasses

Door control hardware

Top surface materials

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Hotel/Resort Scenario Integration Solutions

Interior construction

Automatic doors
D&W integration
Electric sunshades
Bathroom integration
Wall and floor materials
Lock hardware
Door control hardware
Stainless steel sheet metal
Indoor lighting
Movable Partition
Furniture
Post Railing
Commercial Kitchen Supplies

Exterior wall construction

Aluminum panel
ACP products
Anchor channel Ancor bolt
Facade fittings
Intelligent window control
Transparent LED screens
Exterior wall painting materials

Foundation construction products

Modular support system
Municipal pipes
Waterproof materials

Public area decoration products

Fire protection products
Hotel magt system
Monitoring system
Firefighting Supplies
Lifting Columns
Floor Series
Parking lot integration
Outdoor landscape
Water park facility

Ancillary products

Roof bar
Linen series
Furniture series
Disposable items
Decoration
Hotel room supplies

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School/Kindergarten Scene Integration Solutions

Engineering products

Pipe products
Exterior wall coatings
Modular support system
Intelligent window controls
Integrated thermal insulation wall panel
Waterproof materials
Artificial grass
Stadium-related facilities
Rubber Track
Wires and cables
Recreation facility
Lighting projects
Floor coatings
Anti-seismic products

Door and window hardware

Gasket
Silicone glues
PU foam
D&W hardware

Interior products

Post railing
Door control hardware
Lock hardware
Shading products
Tile/wood floors
Bathroom integration
Heat radiator
Switch panels
Toilet Partition
Aluminum panel
Calcium silicate walls
Interior lighting

Ancillary products

Office supplies
Dormitory/classroom supplies
Laundry equipments
Fireflighting Supplies
Sign boards
Reading booth
Stainless steel sheet products
Auditorium chair series

Weak Current Integration

Lifting column
Campus broadcast
Smart school equipments
Precise air conditioner
Security protection system
Smart access

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Integrated Solutions for Hospital Projects

Engineering products

Pipe Floor coatings

Thermal insulation materials

Modular support system

Anti-seismic Modular support system

Anchor channel

Exterior wall coatings

Electric distributor box

Waterproof materials

Floor coatings

Anti-seismic products

Integrated thermal insulation wall panel

Interior products

Sunshade products

Customized furniture

Bathroom cabinet

Post railing

Ward soft furnishings

Lock hardware

Door control hardware

Transparent LED screen

Bathroom partitions

Wall and floor materials

Automatic doors

Indoor lighting

Medical antibacterial board

Bathroom integration

Ancillary products

Smart security protection

Smart clinic

Digital Ward

D&W curtain wall integration

D&W integration

Intelligent window control

Aluminum panels

Fire-resistance material

Fastener &screws

Ancillary products

Firefighting Supplies

Air fresh system

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Factory Integration Solutions

Factory section products

Floor coatings
Industrial doors
Exterior wall paintings
Exterior wall insulation
Cleaning device
Factiery plastic products
Waterproof materials
Wires and cables
Cable tray
Pipe products
Hanger& supporter
Integrated thermal insulation wall panel
Fasteners and srews
Construction adhesive
Fork lift
Robot
Smart window controls
Industrial ventilators
Ceramic filling sealant
Tool cabinet
Aluminum panel

Park public area products

Monitoring system
Access control Gate
Park lighting
EV charger
Permeable concrete/Permeable cementitious stone

Office buildings and dormitory hardware

stanless steel sheet products
Door control hardware
D&W integration
Lock hardware

Other ancillaries

Office supplies
Dustbin
Electric distributor box

Interior products

Lighting fixtures
Switches
Water purification system
Ceramic tiles
Bathroom products
Bathroom partitions
Ceilings
Wall panels
Automatic doors

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Gardens Architecture Integration Solutions

Garden Construction Product Series

Wooden Products Series

Floor coatings

Exterior Wall painting

Water Park Equipment

Waterproof Material

Garden Paving

Rubber Track

Intelligent Fitness Facilities

Cabin house

Unpowered Amusement Facilities

Sculpture

Starry Sky Room

Water and Electricity Product Series

Pipeline Products

Electric cable

Distribution Box

Monitoring System

Landscape Lighting

Municipal Series Products

Municipal Lighting

Municipal Pipelines

Municipal Greening

Green Product Series

Arbor

Ground Cover

Shrub

Ground Cover

Maintenance Series Products

Big Data Cloud Computing Maintenance

Irrigation Series

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Smart Community Integration Solutions

A new management form for residential areas that integrates community services and equipment management on a unified platform, with interconnectivity of data and information.

Community access

Community AI One-Face Communication

Vehicle Barrier System

Sidewalk Barrier system

Elevator Control System

Building Intercom System

Community Platform

Online Payment

Intelligent Property Management

Integrated Management Platform

Smart Push Screen

Community Safety

Video Surveillance System

High Altitude Parabolic System

Perimeter Alarm System

Guard Patrol System

Community Life

Children's Home Reminder System

Mosquito Killing System

Background Music System

Elder Care System

Intelligent Power Consumption System

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Smart Home Integration Solutions

Whole-house AI intelligence, minimalist operation, including convenience, comfort, safety, health and other smart home scenarios.

Smart Home Integrated Solutions--**Five-Constant System**

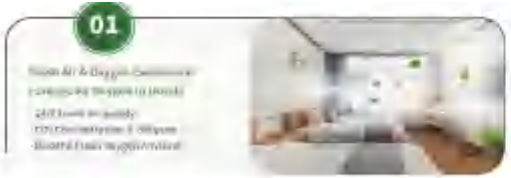
KIN LONG | GRIWIND

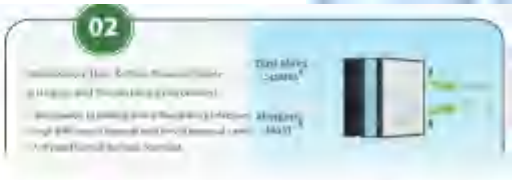
For Better Living

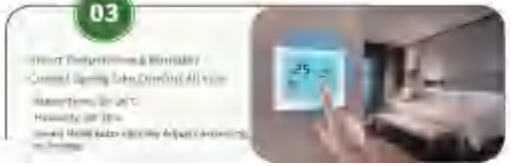
GRIWIND Hotel Five-Constant System – Empowering Brand Upgrades

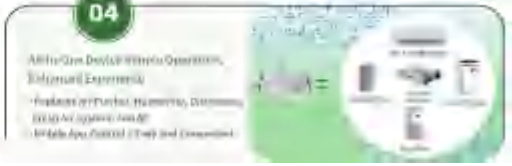
Air Conditioning, Fresh Air, Humidification, Sterilization, Odor Removal, Haze Removal

Hotel Types	Temperature	Humidity	PM2.5	CO_2	TVOC
	√	×	×	×	×
	√	√	√	√	√









Villa Scene

Hotel Scene

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Parking Lot Integration Solutions

Intelligent Weak Current

Park barrier

Parking Guidance

Charging Station

Automatic Door

Lighting

Monitor

Patrol

Hardware and Building Materials

Stainless Steel Sheet products

Anchor Bolt

Hanger

Waterproof Materials

Pipe

Supporting Facilities

Transportation Facilities

Safety Protection

Floor and Wall

Wall Coating

Floor coatings

1.4 Workshop & Equipment

Precision Machining Industry Leader

Automatic cold bending line for steel channel

400T punching machine

Plastic injection central conveying system

Integrated unit of grinding & polishing

1.4 Workshop & Equipment

Intelligent Production Line Improve Product Quality

- Welding robot
- Polishing robot
- Automatic cold rolling workshop

- Automatic CNC bending machine
- Automatic spraying production line

1.4 Workshop & Equipment

Automatic assembly machine

Laser pipe cutting machine

Floor spring automatic production line

Heavy profile machining center

12KW fiber laser cutting machine

1.5 Sales Service Network

700+ Sales Service Points

Abroad: 12+ subsidiaries, 30+ sales offices, 15+ warehouses

1.6 KINLONG Social Charity School

By the end of 2025, Kinlong had donated and built nearly 100 Social Charity Schools in underprivileged and remote areas in China and abroad. We are committed to continuing our contributions to education in the years to come.

4 schools in India
5 schools in Vietnam
2 schools in Thailand
1 school in Malaysia
1 school in Bangladesh
1 school in Indonesia
1 school in Sri Lanka
1 scools in Mexico

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Interior Decoraiton Material

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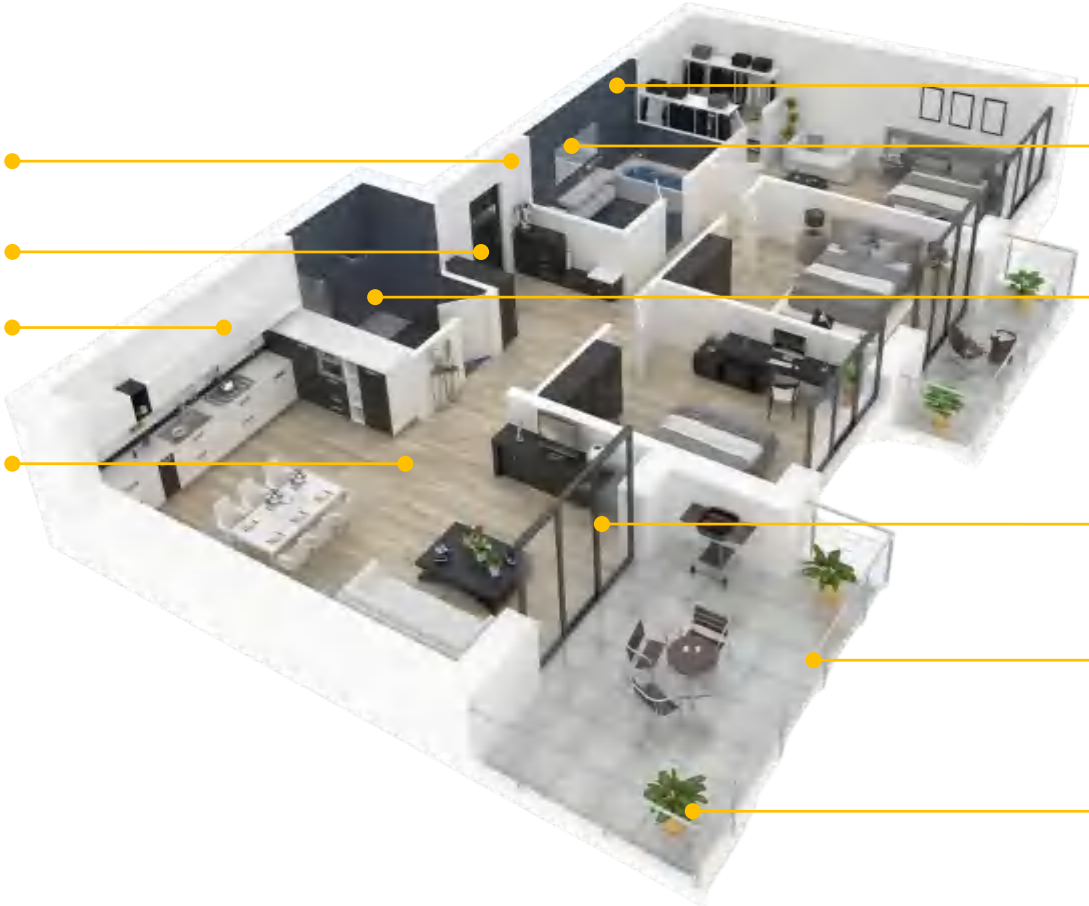
For Better Living



Wall Paper
Wall Panel

Door Hardware
Smart Lock

Cabinet

Flooring
SPC/MGO/WPC/LVT

Aluminum Ceiling

LED Mirror
Sanitary

Glass Shower Room

Glass Sliding Door

Railings

Artificial Plants

Airport Project Muscat International Airport

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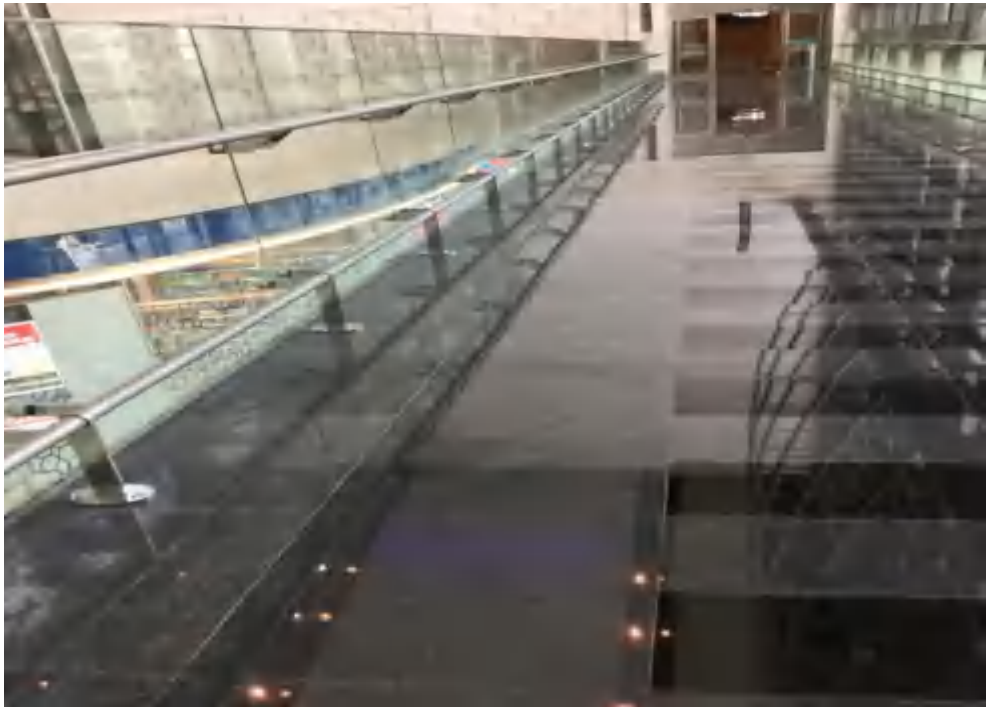
Location: Muscat, Oman

Kinlong Products: SS Railings



Hotel Project JW Marriott Marquis Hotel

KIN LONG
For Better Living

Location: Business Bay, Dubai

Kinlong Products: Bathroom fittings, Shower screen accessories

Hotel Project Mandarin Oriental, Muscat

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For Better Living

Location: Muscat ,Oman

Kinlong Products: Shower Fittings, Handrial

Apartment Project Astoria mix-used condo

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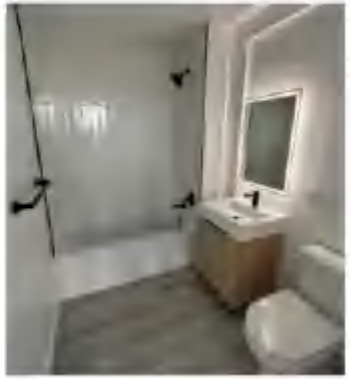
Location: 3-11 27TH AVE, ASTORIA, NY 11102, US. Kinlong Products: SPC flooring; carpet; mirror; basin; glass railing system; HPL wall panel; outdoor WPC fence; door closer etc.



Apartment Project Davis Condo (Terra)

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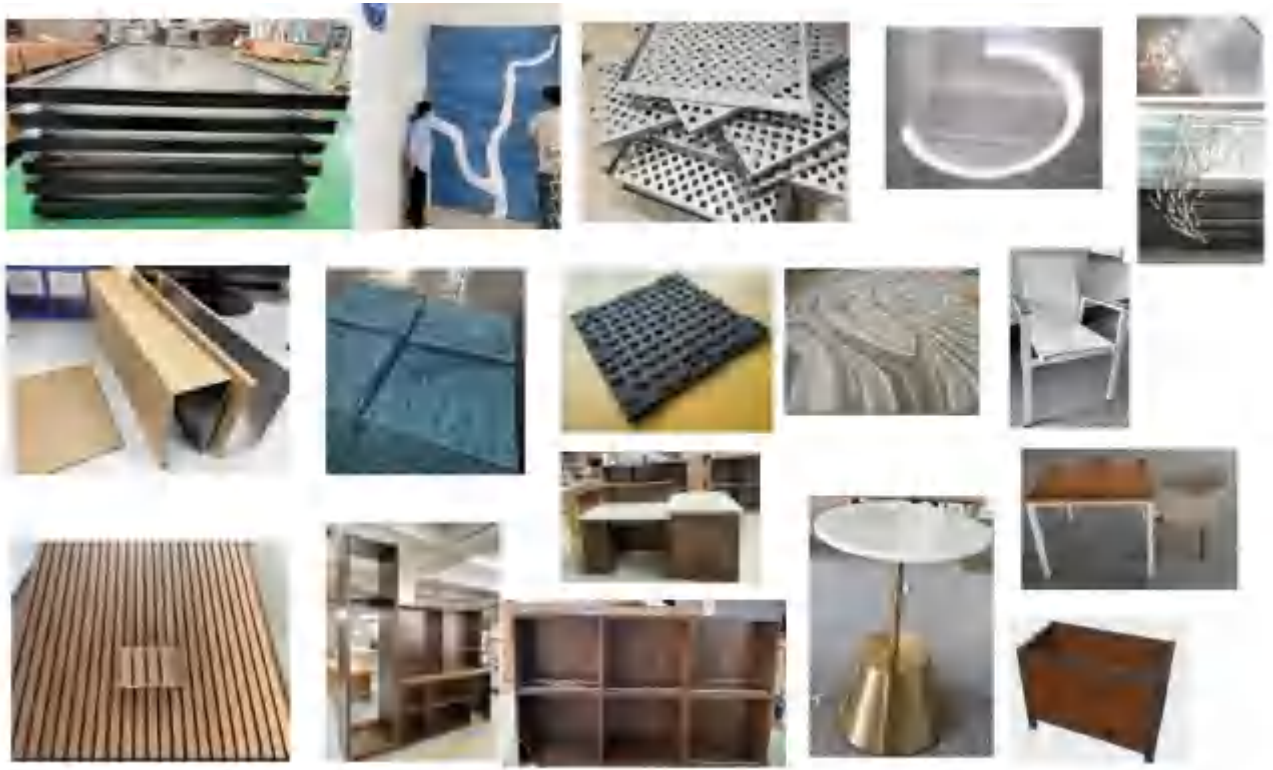
Location: New York, USA Kinlong Products: glass sliding door system, ceiling & wood wall panel, wall covering, carpet, Indoor & outdoor furniture, lightings etc.



For Door - *Entrance door lock & accessories*

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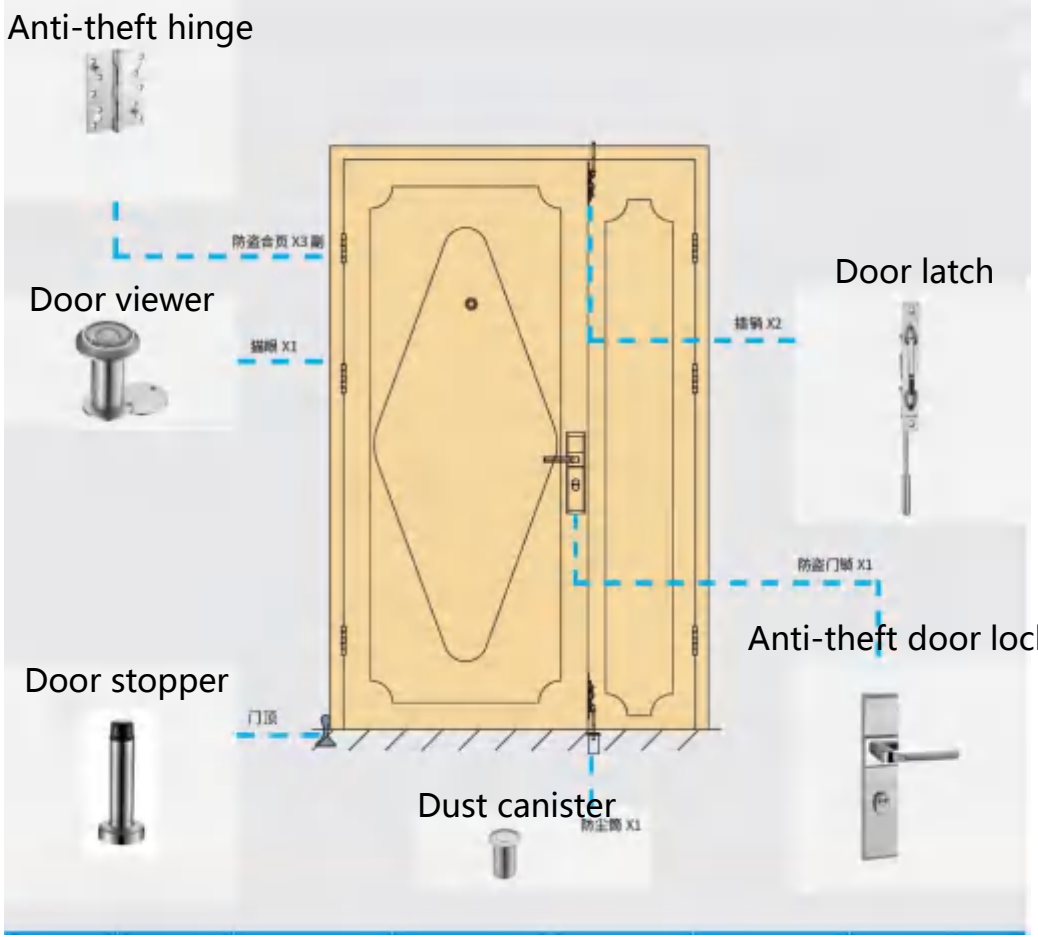

For Door - *Entrance door lock & accessories*

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Colours also available in Galaxy Gray, Rose Gold
App available in Bluetooth or WIFI

H601

H602

Fingerprint + Card + Password + Key + App

Door Bell

Powered by 4 pcs
of AA Battery

Multi-point Bolts
6068 & 7068 Lock body

For Door - *Fireproof door lock & accessories*

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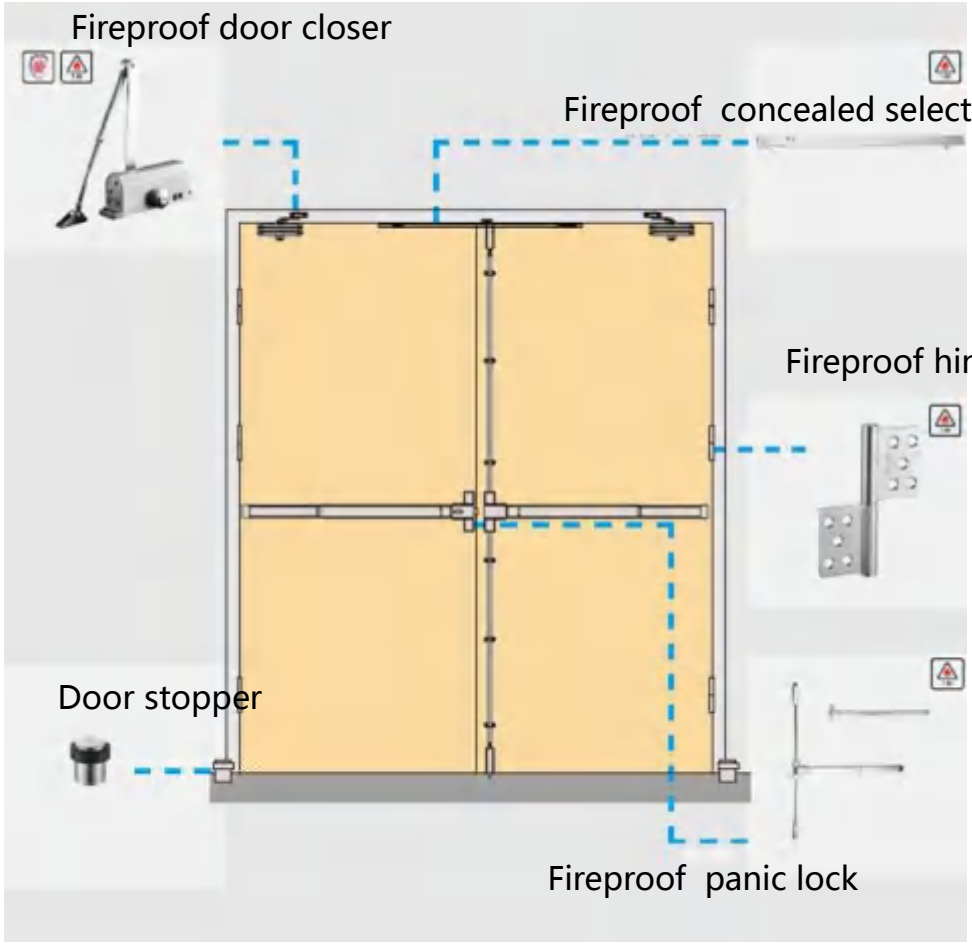

For Door - Sliding Door

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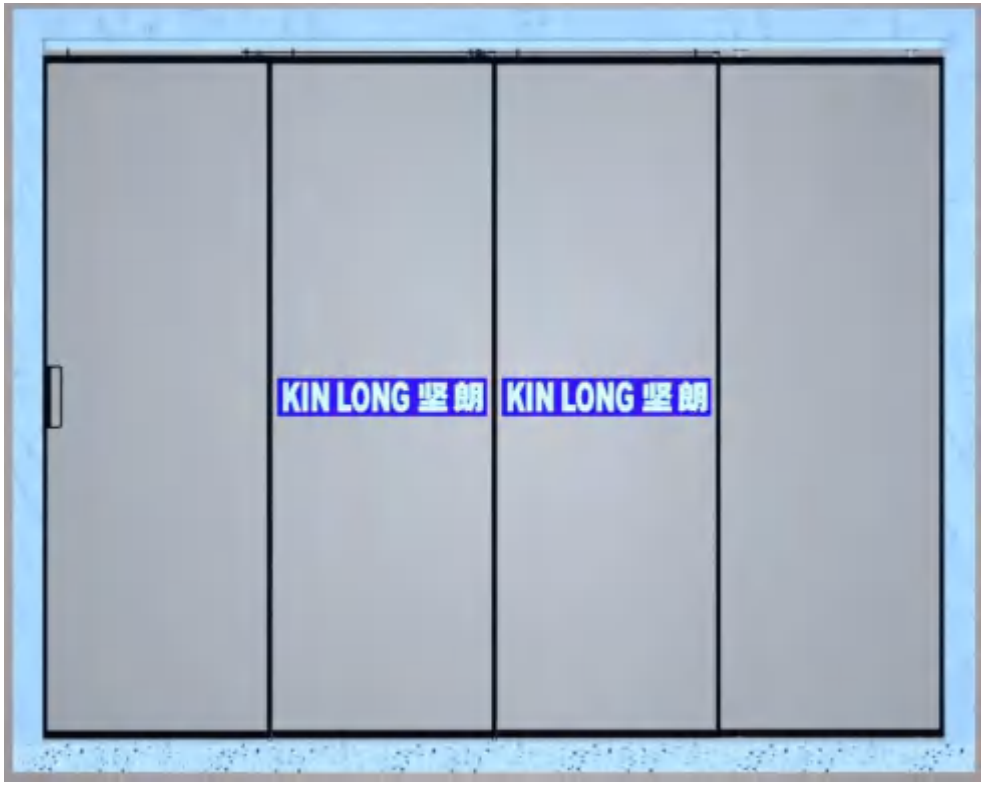
Top rail
(with cover)

sliding accessories

slim frame profile

Sliding handle



For Door - Movable Glass Partition

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Qualification certification

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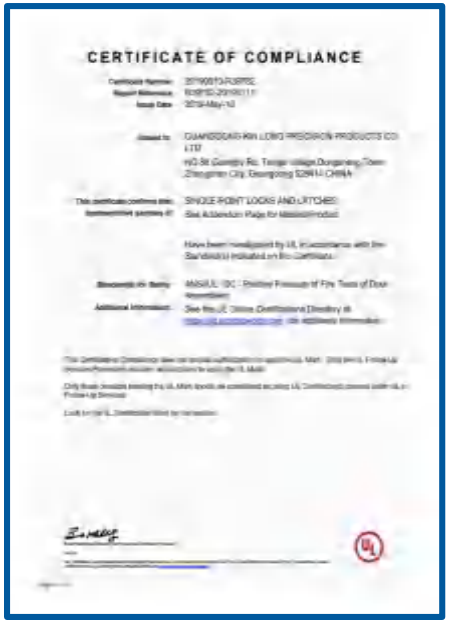
American standard
ANSI certification



American standard
UL certification

European standard
CE certification

Chinese standard
fire product certification

For wall - ACP

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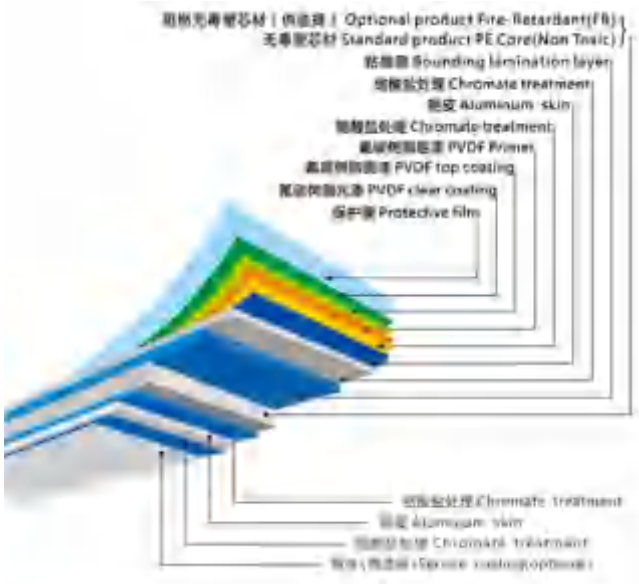

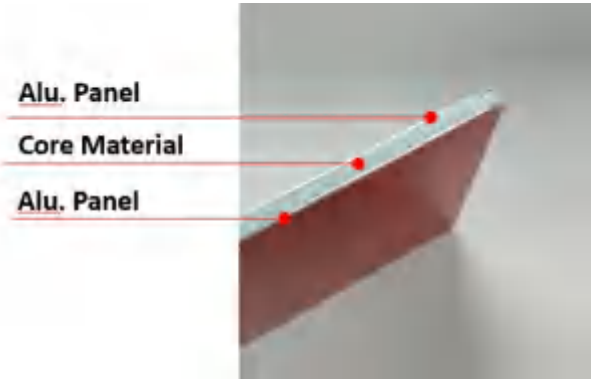

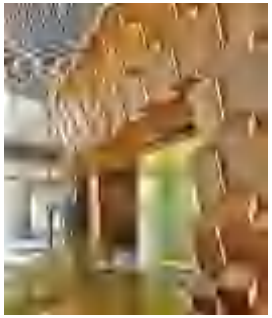

Product	Certificate	Warranty	Specification
Aluminum Composite Panel	NFPA 285 for A class fire-resistance		Size: 1220*2440*4mm (48''*96'') Total thickness: 4mm Finish: PVDF 2 coats Back: Light aluminum Core material: A2

For wall - Aluminum Panel

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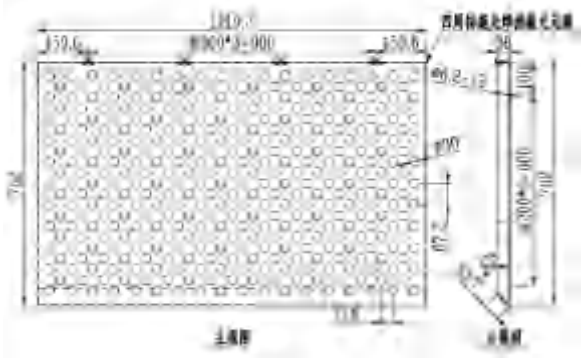

Product	Certificate	Warranty	Specification
Perforated aluminum panel FBCB-1	-	20 years	Size: 762*1220*3mm (30''*48'') Material & finish: 3003H14 aluminum; PPG PVDF 3 coats Color: Silver Metallic (Semi gloss), as approved sample Other: 32% openness with opening hole ϕ30mm Folding: 90° angle, folding 38*20mm Remark: without backer

For wall - HPL Panel

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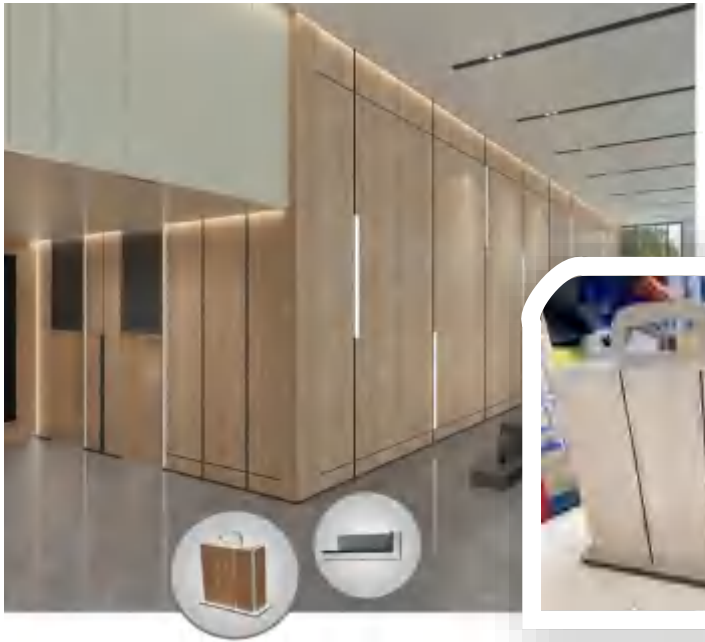

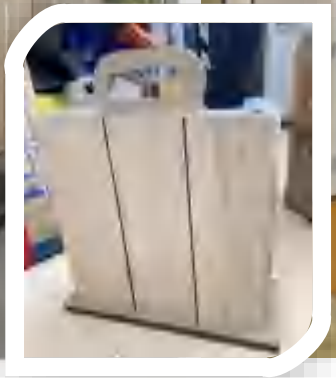

Product	Specification
HPL wall panel	Material: High Pressure Laminate

For wall - Wallpaper / Wall cloth

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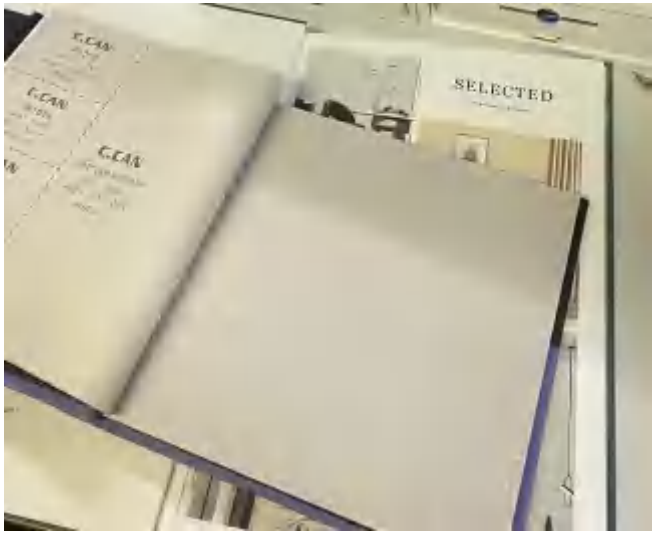

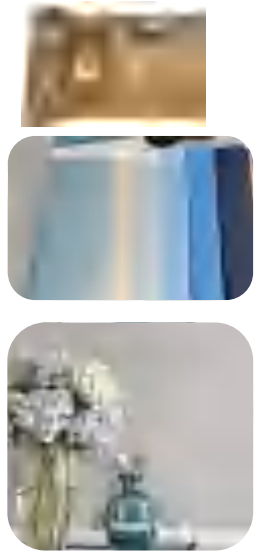

Product	Specification
Wallpaper	Material: Pure paper/non-woven paper
PVC wallpaper/wall cloth	Material: PVC Optional performance: fireproof level / anti-bacteria / anti-moisture etc.
Fabric wall cloth	Material: Non-woven fabric + finely carved cotton velvet / other Fire proof: none / B1 level

For wall - Curtain/ Automatic curtain

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Product	Specification
Curtains	Size: customized Shade: translucent/semi-translucent/full shade/others Material: polyester/cotton/silk/linen/cotton linen/others Ratio of pleats: 1.5~2 times (recommended) Installation: single-layer hanging / double-layer hanging / other (including Roman rod and curtain box)

For balcony

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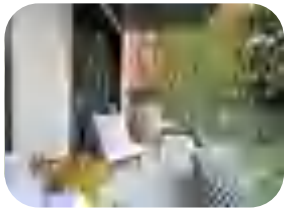

Product		Specification
Glass railing system	Post and railing	Material: Glass + Austenitic stainless steel 304/CF8, 316/CF8M, 316L Surface treatment: #320 satin brushed / mirror / powder coating / electroplated Post style: Round tube, square tube, rectangular tube, flat oval tube, single plate, double plate.
	Cap railing & base shoe	Base shoe: aluminum alloy, Anodized silver white
Aluminum system	Aluminum fence	Material: 6063-T6 aluminum Surface treatment: powder coating, coating thickness ≥50μm Color: variety of options (matt black, white etc.)

For ceiling

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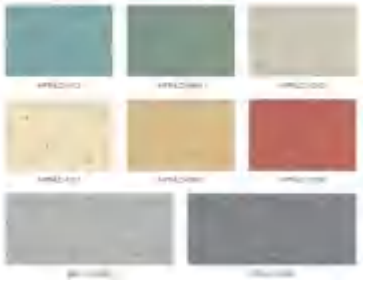
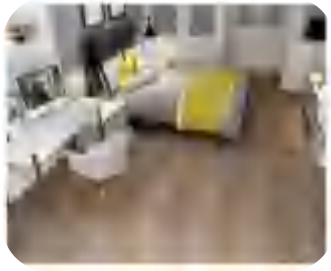
Product	Specification
Aluminum ceiling	Material: aluminum alloy Specifications: 600mm*600mm*0.8mm or other options Surface treatment: powder coating (colors optional)
Gypsum ceiling board	Material: Phosphogypsum + desulfurization gypsum Flexural Strength (Lateral): average 410~525N Flexural Strength (longitudinal): average 165~205N
WPC ceiling	Material: High-quality PE + wood composite powder

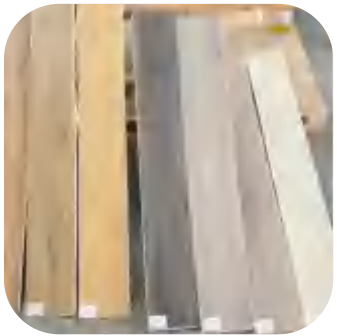
For floor

KIN LONG
For Better Living

Product	Specification
SPC floor (100% virgin material)	Size: 1220*180mm (48''*7'') or customized size Thickness: 4~7mm plus(or not) 1.5mm IXPE mute layer Wear layer: 0.3 /0.5mm (12/20mil) Fire retardant level: B1; Formaldehyde emission: 0 Remark: ASTM tested, CE certificated
LVT floor (Dry back / click /loose lay)	Size: 1220*180mm (48''*7'') or customized size Thickness: 1.5~5.0mm Wear layer: 0.07 /0.7mm (2.75~27.55 mil) Fire retardant level: B1; Formaldehyde emission: E1 Remark: ASTM tested, CE certificated
Homogeneous floor	Material: PVC Color: variety of options Wear resistance level: Class DS (T level)







For floor

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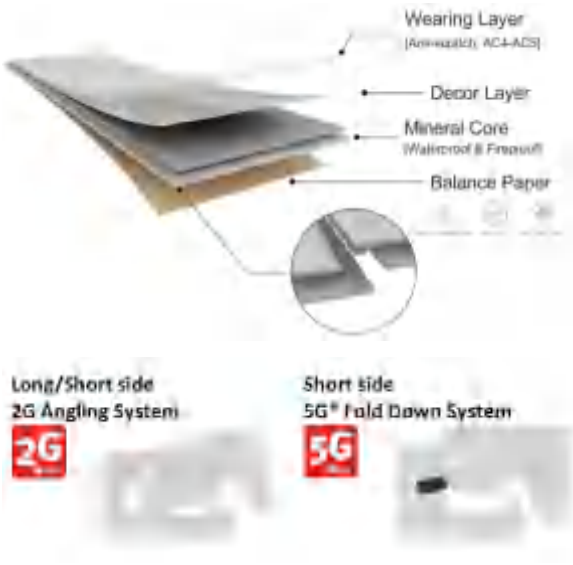

Product	Certificate	Warranty	Specification
MGO Fiberboard Plank	ASTM A Class fire-resistance	10~30 years	Size: L1215*W196*T (8.2 +1.5mm EVA)mm (2.5634 sqft/pcs) Main material: Magnesium Wood fiber Surface treatment: EIR wood pattern Packing: 8 pcs/carton (20.5 sqft / carton) Grams of wear resistance: 45g; Density: 1400 Fire resistance level: B1; Formaldehyde: E0 level Water absorption: 1.6% (Thickness swell: 0%) Remark: with Valinge 5G click patent

For bathroom - Glass Shower Room

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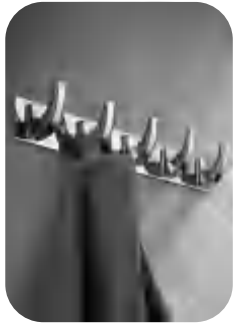

Product	Specification
Shower door (frameless style LHS005B21)	Hardware: aluminum alloy; Stainless steel Glass: tempered glass/customized glass; T=8mm/10mm/12mm Surface treatment: Nickel brushed/ Matt black/Chrome/other Style: Frameless (Single/Double sliding; Diamond shape; hinge type; folding door; linkage door etc.
tower bar, clothes hook, Faucet, tissue box, vanity mirror, soap dispenser, floor drain etc.	Material: stainless steel; Surface treatment: satin brushed/mirror/Chrome/other Specification: variety of options

For bathroom - Cabinet/LED Mirror/ Sanitary

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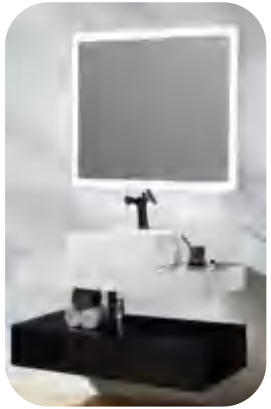

Product	Specification
LED / ordinary mirror	Size: 600*800*35mm (23 3/5’’*31 ½’*1 2/5’’) or other size Material: 5mm environmental mirror + aluminum + PVC Function: LED, defogging, touch switch and motion sensor available Voltage: AC 100-240V, 50/60Hz; US plug, cable length 800mm (31 ½’’) Protection: IP65 for power supply; whole mirror ≥IP44
Artificial stone/ceramic basin/bathtub	Size: 600*800*120mm (23 3/5’’*31 ½’’ *4 7/10’’) or other size Material: Artificial stone resin, solid surface, polymarble; Surface treatment: matt white; Glossy white; customized Installation: countertop or undercounter
Polywood/other bathroom cabinet	Material: polywood (other material available) Size: customized; Surface color: variety of options

For bathroom

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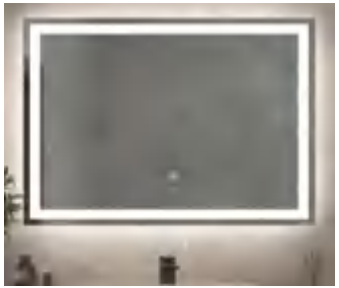
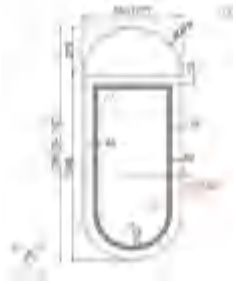
For Better Living





Product	Certificate	Warranty	Specification
Frameless LED Mirror	ETL	2 years	Size: W24*H36''*T35mm Material: 5mm environmental mirror; Inner frosted, front & backlit Function: LED light, 2835/120 * 3000-6000k Color temperature adjustment, brightness adjustment; Defogging; Explosion-proof film Voltage: AC100-130V, 50/60Hz; Protection: ≥IP65 & ≥IP44
Frameless LED Mirror	ETL	2 years	Size: W96*H36''*T35mm Material: 5mm environmental mirror; Inner frosted, front & backlit Function: LED light, 2835/120 * 3000-6000k Color temperature adjustment, brightness adjustment; Defogging; Explosion-proof film Voltage: AC100-130V, 50/60Hz; Protection: ≥IP65 & ≥IP44
Framed Coated Mirror	ETL	2 years	Dimension: W559*H1385*35mm (22''*54 1/2‘’); Finish: satin black Material: LED light strip + S.S 304 + 5mm coated mirror + PVC back Function: frosted LED lighting; 5000k color temperature; Hand scan sensor switch; ; Explosion-proof film Voltage: AC100-130V, 50/60Hz; Protection: ≥IP65 & ≥IP44

Outdoor decking - WPC

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Product	Specification
WPC decking	Material: Wood powder + High quality PE Color: Teak + black or other options Size: L2200*W140*H25mm or L2200*W140*H22mm (Length ≤3m)

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Projects in North America

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1717 Broadway (Courtyard & Residence Inn Manhattan/Central Park)

Location: New York City, NY, USA

KIN LONG Products:

◆ Aluminum Windows &Door Accessories: Top-hung Window Series, Handle, Friction Stay, Transmission accessories

Projects in UAE

KIN LONG
For Better Living

Golf Gardens Residential Community ProjectⅡ

Location: CGCJ+X7W, Khalifa City, Golf Gardens, Abu Dhabi

KIN LONG Products:

Aluminum Windows &Door Accessories: Top-hung Window Series , Handle, Friction Stay, Limiter

Vinhome Central Park

Location: Vinhome Central Park, 208 Nguyen Huu Canh, Ho Chi Minh 084

KIN LONG Products: Aluminum Doors and Windows Series, Door Control Series, Point-fixed Series

Door & Window Hardware

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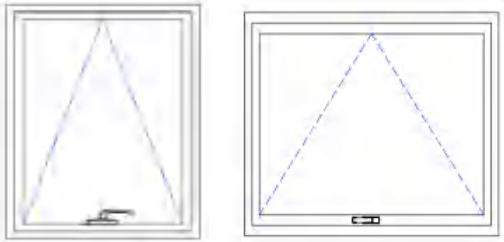
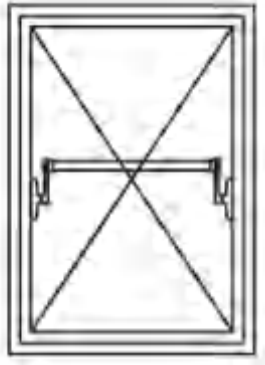
Sliding D&W

Casement D&W

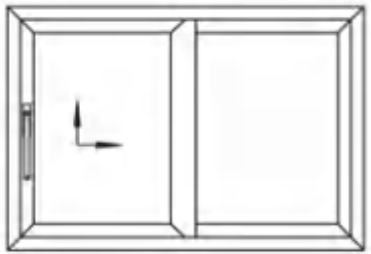


Top Hung window



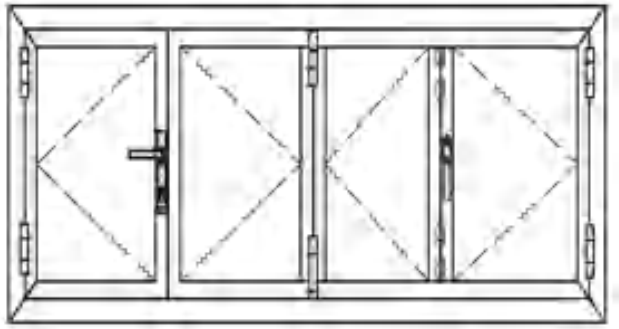
Parallel window

Mullion



Lift & Sliding

Turn & Tilt



Sliding & Folding

Door & Window Series Product line

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Window/Door series	Kinex	KINLONG	CIFIAL	SIVER	TODN
Alu Tilt-and-turn window	✓(90Kg, 1.8m)	✓(130Kg, 2m)	✓(130Kg, 2.5m)	✓(130Kg, 2.5m)	✓(110Kg, 2.1m)
Alu Inward/outward window	✓(80Kg/60Kg)	✓(80Kg/100Kg)	✓(90Kg/80Kg)	✓(80Kg/80Kg)	✓(80Kg/60Kg)
Alu Top-hung window	✓(90Kg)	✓(200Kg)	✓(60Kg)	✓(65Kg)	✓(90Kg)
Alu Sliding window/door	✓(150Kg)	✓(800Kg)	✓(300Kg)	✓(170Kg)	
Alu Casement door	✓(130Kg)	✓(200Kg)	✓(150Kg)	✓(150Kg)	✓(150Kg)
Alu Bi-folding door		✓(120Kg)	✓(90Kg)		
Alu Lift and sliding door		✓(400Kg)	✓(300Kg)		✓(600Kg)
Alu tilt-and-slide widow		✓(80Kg/150Kg)	✓(80Kg/150Kg)	✓(80Kg/150Kg)	
Alu Lateral sealing window/door		✓(150Kg/180Kg)	✓(150Kg/180Kg)	✓(150Kg/180Kg)	
Alu Parallel curtain wall window		✓(250Kg, 3.5m)			
Alu smart window		✓(40Kg, 1.5m)	✓(80Kg, 1.5m)	✓(80Kg, 1.5m)	✓(110Kg, 1.6m)
UPVC Tilt-and-turn window	✓(80Kg, 1.4m)	✓(130Kg, 1.8m)		✓(90Kg, 1.8m)	
UPVC Inward/outward window	✓(80Kg/38Kg)	✓(90Kg/41Kg)		✓(90Kg)	
UPVC Top-hung window	✓(90Kg)	✓(100Kg)			

Door & Window Solution Supplier

KIN LONG
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Item	Material						
	Hardware	Profile	Glass	Gasket	PU foam	Sealant	Fastening
Thermal insulation	N	Y	Y	(Y)	(Y)	(Y)	(Y)
Wind pressure	(Y)	Y	Y	(Y)	(Y)	(Y)	Y
Waterproof	(Y)	Y	N	Y	Y	Y	(Y)
Air tight	(Y)	Y	N	Y	Y	Y	(Y)
Transparency	N	(Y)	Y	N	N	N	N
Sound insulation	N	Y	Y	Y	(Y)	(Y)	N
Fireproof	(Y)	Y	Y	Y	Y	Y	Y
Security	Y	(Y)	(Y)	N	N	N	(Y)

Y- it changes result in performance changes

(Y)- it changes may result in performance changes

N- it changes do not result in performance changes

QAQC in D&W - Certificate

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International certificate

IFT
HK third part

CE

TUV(PSB Singapore)

Russian

Door & Window Iconic system

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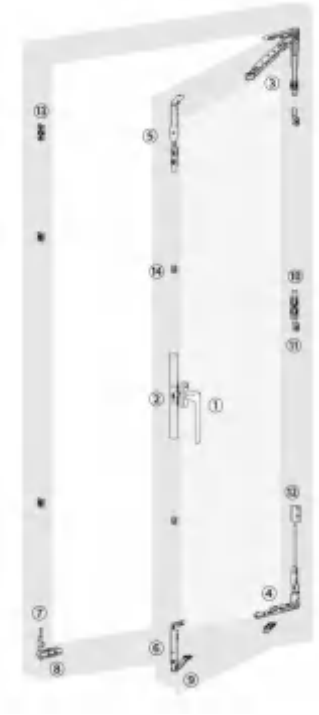
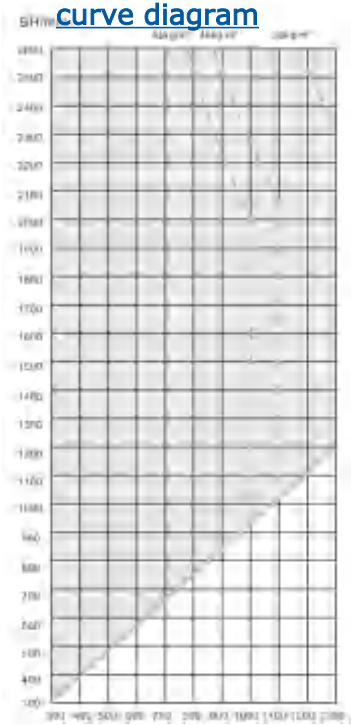
⊖ Super turn and tilt window



130kg level hinge load capacity curve diagram



130kg capacity → W*H: 1.3*2.5m → Super window size → Window as door → Great ventilation

Door & Window Iconic system

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⊖ Twin flying wings door

Option 1

0° close → 90° tilt window → 180° casement door

Option 2

0° close → 90° swing window → 180° casement door

100kg capacity → W*H: 0.9*2.2m → Unique choices for house partition → Flexible and safe operation → It is window, it is also door

Door & Window Iconic system

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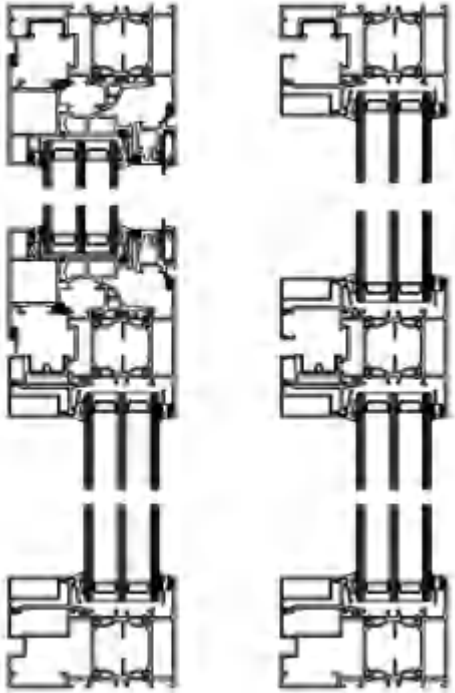
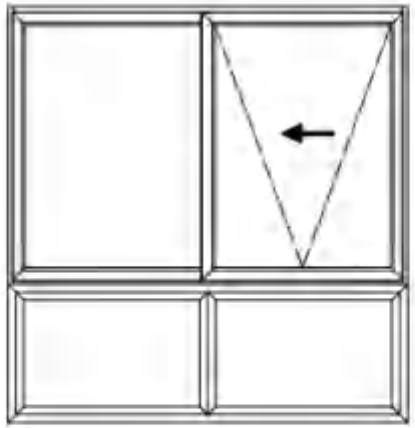
⊛ Tilt and slide window





80kg capacity → W*H: 1*1.8m → Typhoon-resistant → Thermal insulation → Rainproof

Performance Improvement

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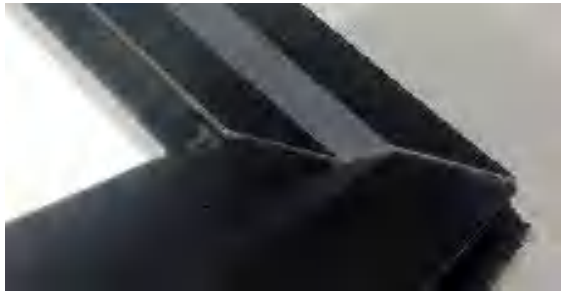
For Better Living

- Window corner common issue

Corner cracking
Water leak



Corner dislocation

- Professional solution of corner issue

Performance Improvement

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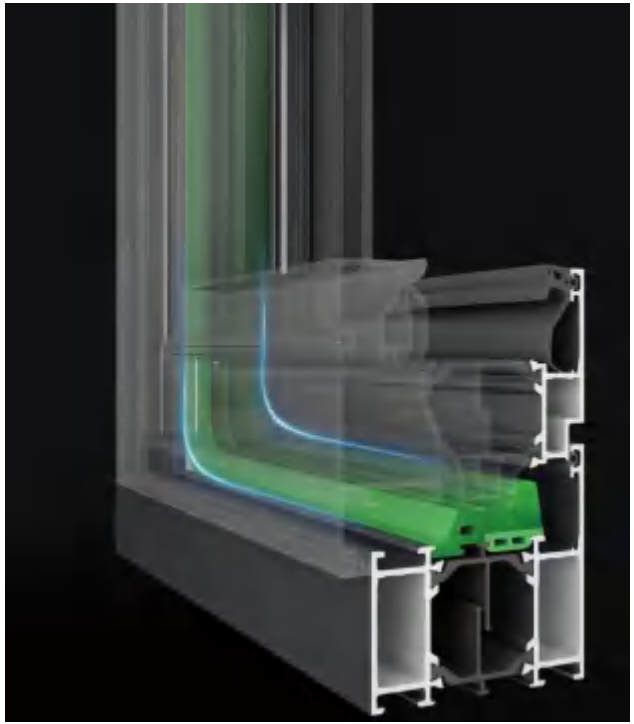
L-turn series of thermal break

New process design Right angle turn series



Solve the problem of difficult processing of the corner part of the gasket transmission, and turn the corner directly, without truncating. Solve the problem of installation process differences in doors and windows factories, and improve the performance and overall aesthetics of doors and

Performance Improvement

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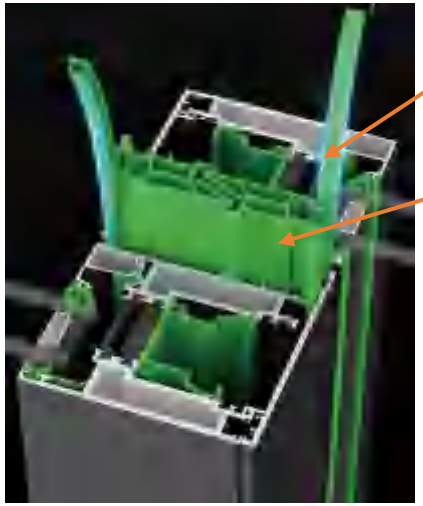

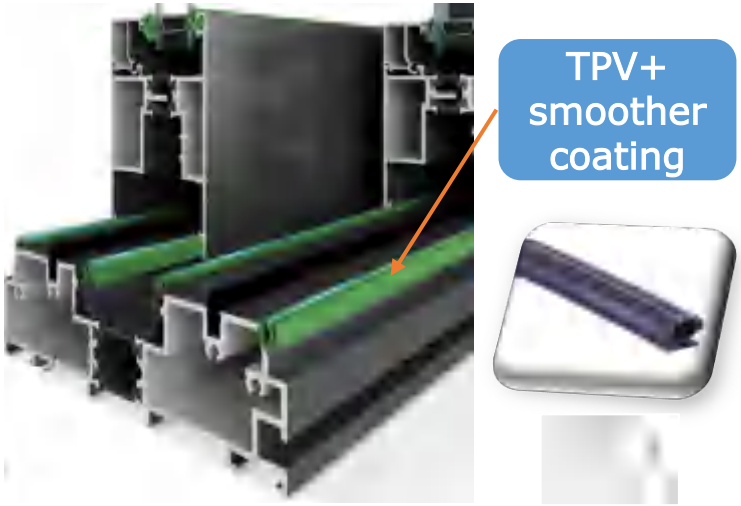

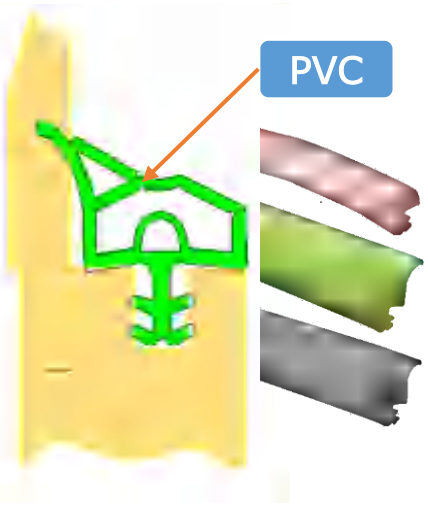

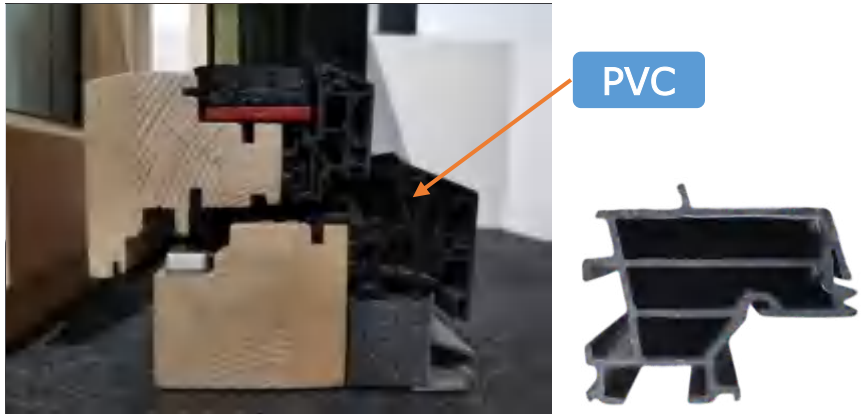

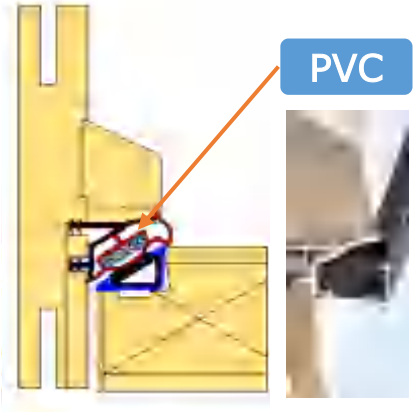

Performance Improvement

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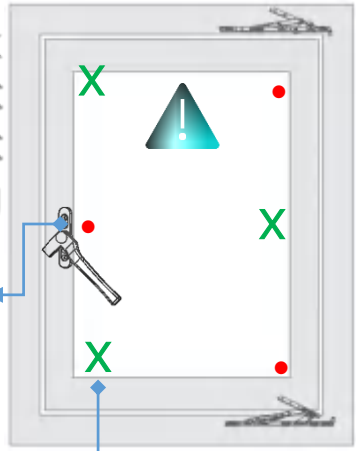
Multi-lock points
Turn and tilt
Lateral sliding

Anti-drop,
Improve safety
(High-rise building)

VS

Single-lock point
Open out
Sliding



Single-lock point,
Poor safety,
not strong and durable
(Not suitable for high-rise building)

So how would you choose ?

Supporting and guiding function,
Prevent windows off angle

Multi-lock points, stronger wind resistance,
More safe, more sealed

Poor sealing at corners of window,
Poor thermal insulation

◆Multi side multi-lock points (T&T W)
◆Complete hardware system
◆Thermal insulating profile
◆IGU glass /laminated glass
◆EPDM gasket

Heat-insulation coefficient:
K ≤ 2.5 W/m²·K
Shading coefficient:
SC ≤ 0.44

Heat-insulation coefficient: K ≤ 5.7 W/m²·K
Shading coefficient:
SC ≤ 0.8

◆ Single-lock point
◆Only locking and loading parts
◆Non-insulated profile
◆Single glass
◆PVC gasket

So, What can we do and provid

Summary

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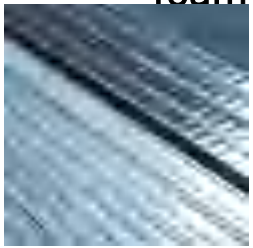
Hardware :
Handle, Hinge, Roller

Sealing & Insulating :
Mohair, Spacer, Gasket, PA66 Strip, Silicone, PU foam



Fixing:
Screw, Anchor bolt

One-stop service & supply, give you a excellent door&window system

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Facade - Customized Fittings

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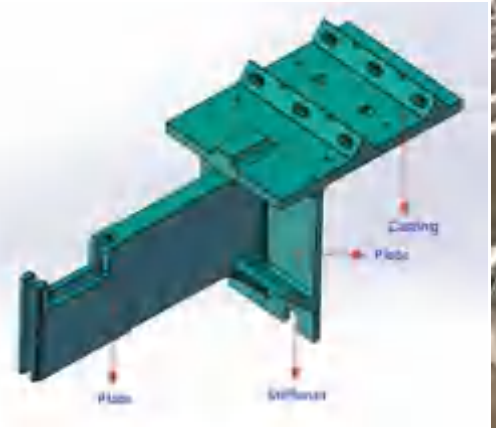
Material & Surface: SS.316/SS.2205, satin/mirror
Processing Method: CNC Milling, Casting and Welding.
Typical Project: “Cadenza”, Earlsfort Terrace, Dublin 2



Facade - Customized Fittings

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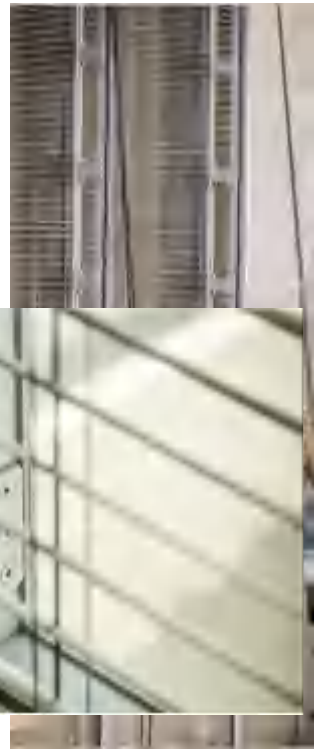
Material & Surface: Carbon steel and aluminum with Powder coating
Processing Method: Casting、 extrusion and CNC milling.
Project: AMDOCS (Israel)



Facade - Customized Fittings

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Material & Surface: Customized brackets
Processing Method: Casting and CNC
Project: Columbia University (NY, US)

QC Tools

Facade - Customized Fittings

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Material & Surface: Stainless steel strut, connectors.
Processing Method: Casting and CNC Milling.
Project: University of Western Australia

Facade - High Span facade - Cable System

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PROJECT: DJI Headquarter
CABLE SIZE: Ø100mm
SPAN： 23m

Facade - High Span Facade - Architectural Steel Facade System

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Architectural Steel Facade

A prime solution for ***high-span*** facade

Carbon Emission

Energy

Cost

Customization

Facade - Architectural Steel Facade System

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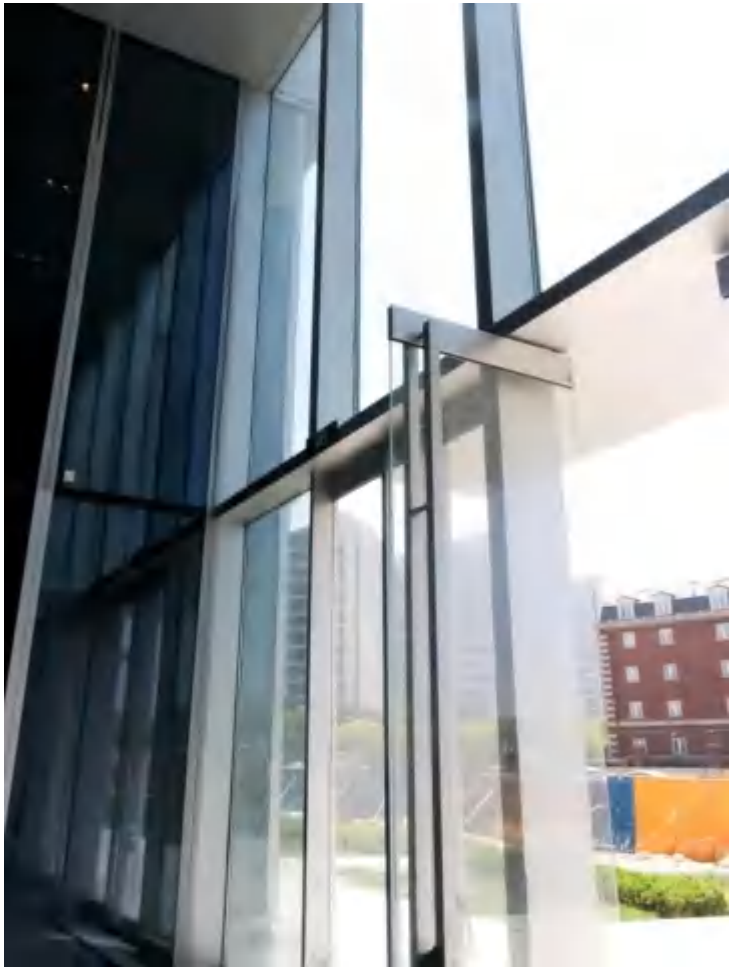

Facade - Architectural Steel Facade System

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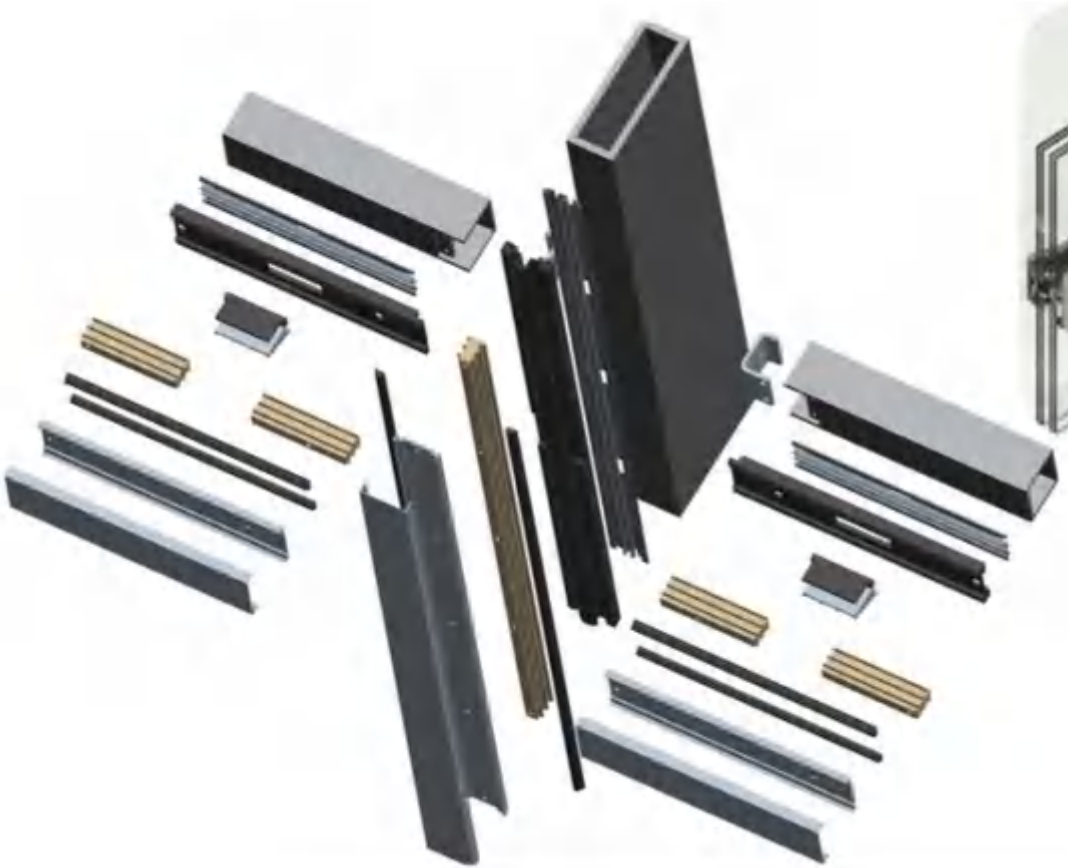

Facade - Architectural Steel Facade System

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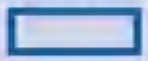
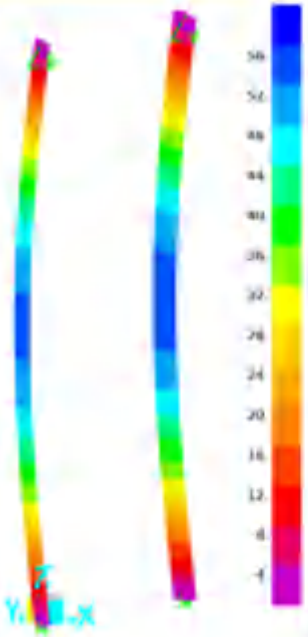
Facade: *Span:10m , Wind load:2KPa , Glass width:2m , Deflection: L/180 = 55mm*

Profile Material	Yield Strength (MPa)	Elastic Modulus (GPa)	Section Size (mm)	Section Area (mm^2)	Material Weight (KG/m)	Deflection	Stress (MPa)	CO_2 Emission (KG/m)	Final Price (USD/Pcs)
Steel S355	355	210	260*80*12*8 	5296	43.9		138	81	1150
Aluminum 6061T6	241	70	400*120*8*7	7296	20.1		72	250	1275

Facade - Architectural Steel Facade System - Oman Culture Complex

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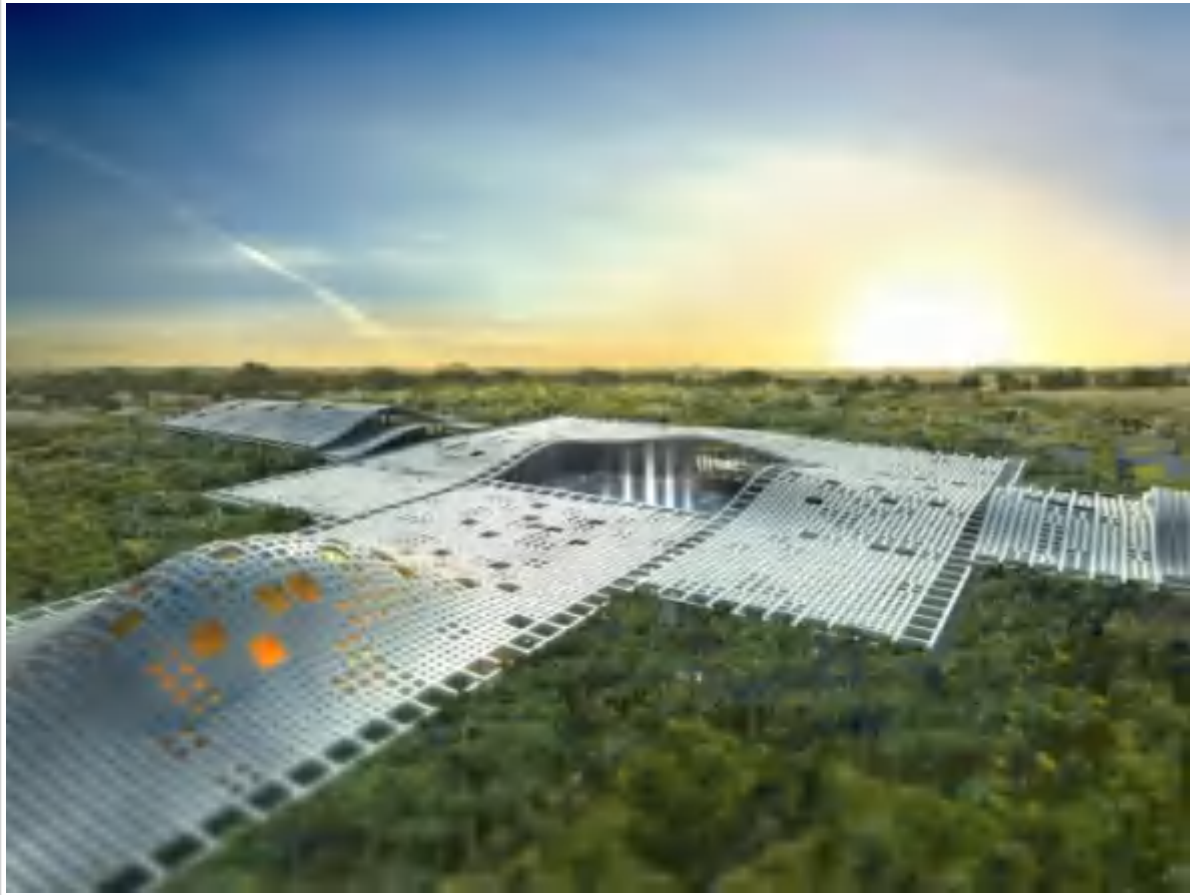

Facade - Mesh Facade System

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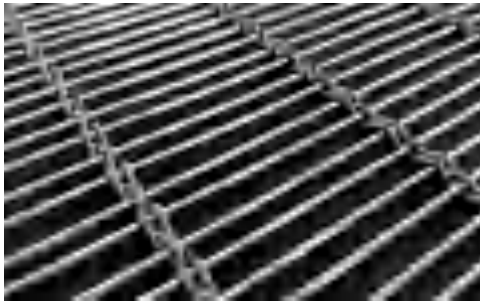

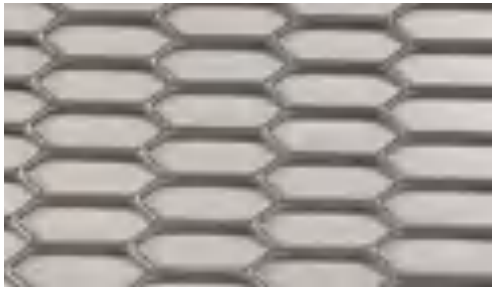
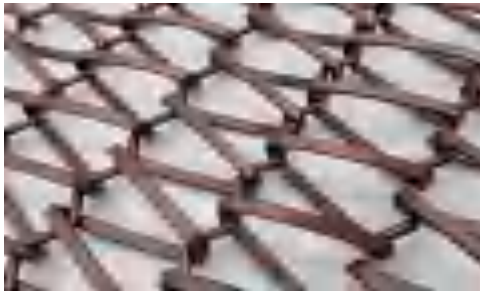

Facade - Mesh Facade System

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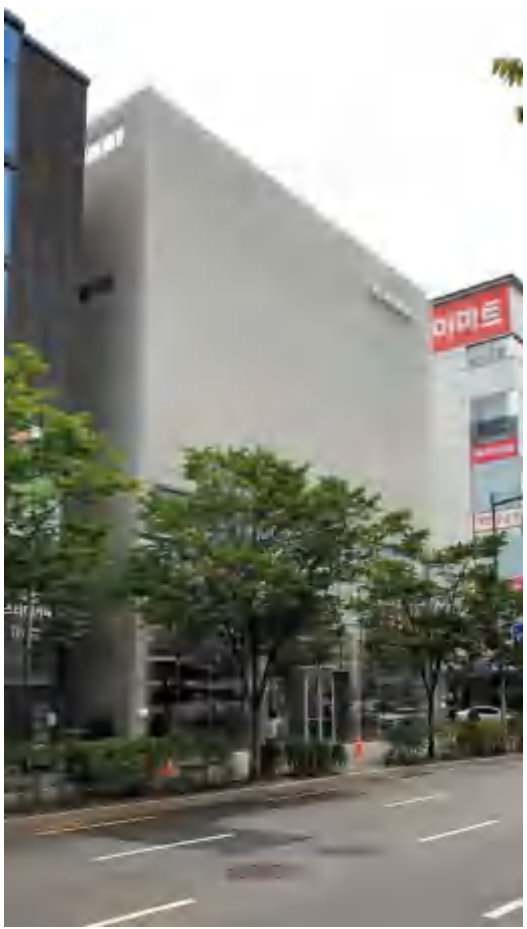

Facade - Mesh Facade System

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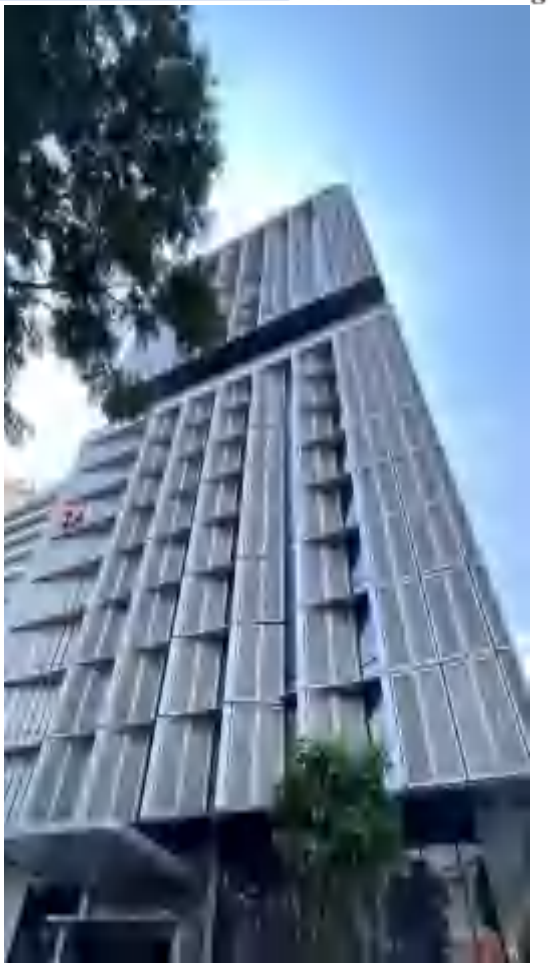

Facade - Aluminum Cladding

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Max size: 5.5m * 1.8m
Standard Material: 3003, 5005, 5052
Available Finish: PVDF coating, Anodizing
Available thickness: 3mm-12mm

Facade - Aluminum Cladding

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Facade - Aluminum Cladding

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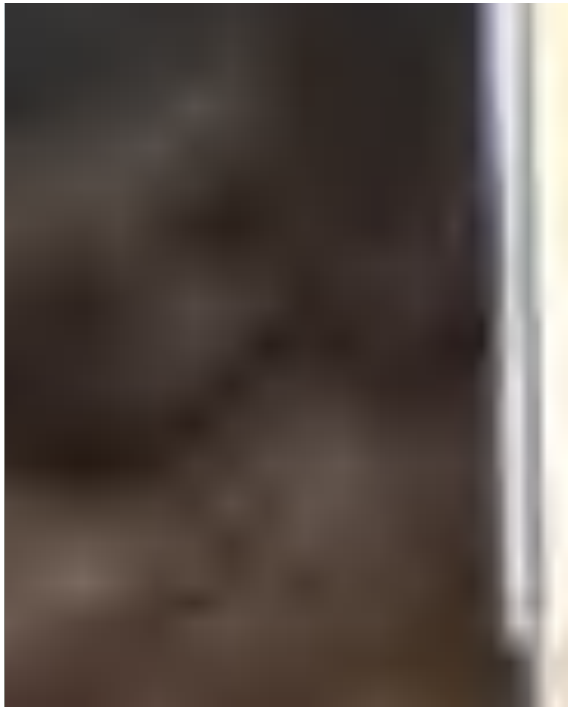
GRC (CNC)

Aluminum (stamping)



Aluminum (CNC)

Facade - Aluminum Cladding

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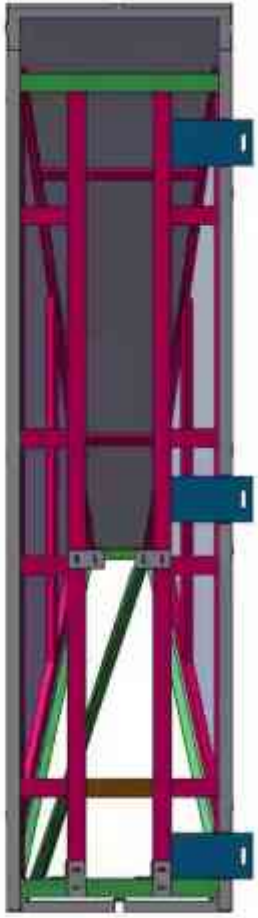

Facade - Aluminum Cladding

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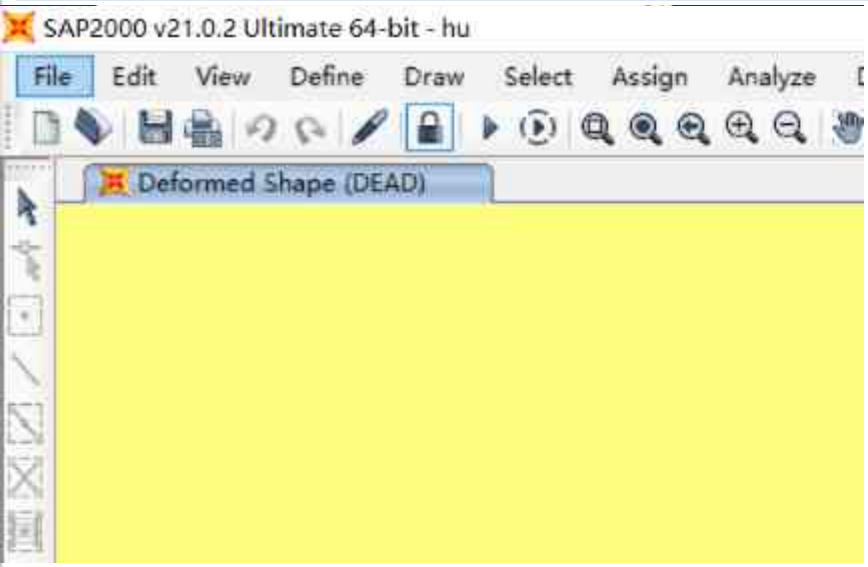

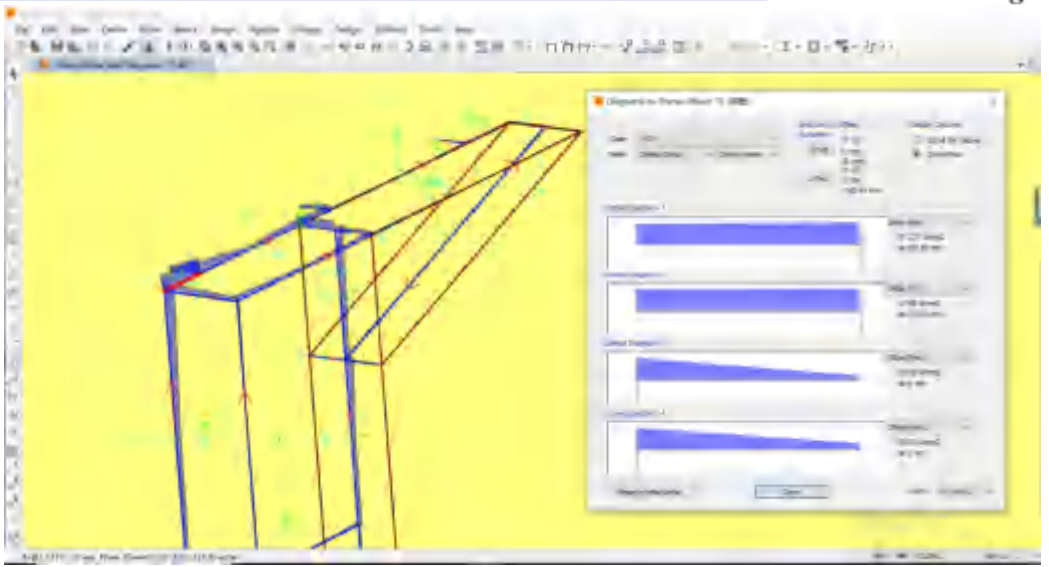

Deformation Check

Maximum deformation: D = 2.221mm < d= 3387/120=28.23mm

（According to BS5427 Standards Table 4. The maximum lateral deflection should be limited to L/120, where L is the panel edge length.）

Stress Check

Maximum stress:δmax = 27.227Mpa<δall =156.4Mpa

(172/1.1=156.4 6063-T6:Yield strength :172 Mpa)

Facade - Aluminum Cladding

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Facade - Aluminum Cladding

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Solution for Innovative Facade

#1 Innovative Facade

#2 Multi-Specification

#3 Materials
Processing Method

#4 Sample
Lab Test

#5 Optimization
Cost/Delivery/Installation

#6 Customization
Calculation

#7 PMU Test

#8 ITP
QC

#9 Installation
Site Assists

#10 Maintenance
Warranty

More information, please send email to us.(mail@kinlong)

Facade

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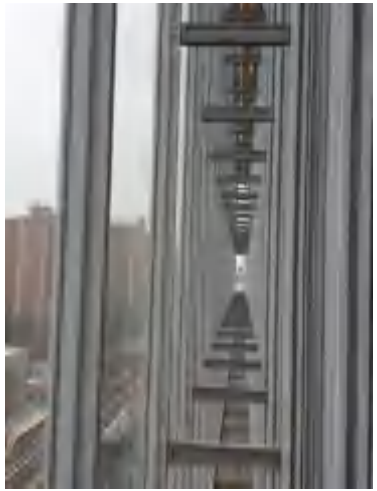
Large Span Façade

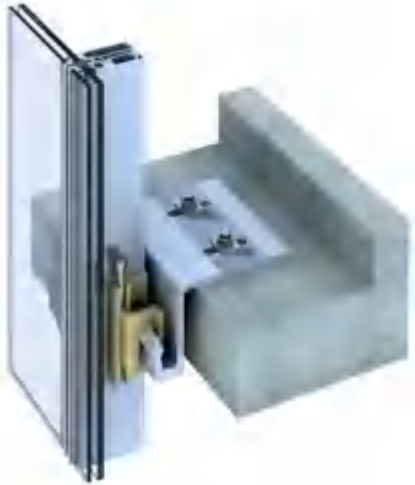
- Cable facade system
- Steel facade system
- Customized fitting
- Silicone Sealant
- …

Double Skin Facade



- Customized fitting
- Anchor Bolt
- Cast-in Channel
- Fastener
- Gasket
- …

Unitized Facade



- Cast-in Channel
- Customized fitting
- Window hardware
- Fastener
- Gasket
- …

Cladding System

- Aluminum Cladding
- ACM/ACP
- Stainless Steel Cladding
- Mesh
- …

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Thank You!

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