SOLID

MATERIALS SOLUTION

ALUMINUM SYSTEMS · DOORS · SURFACES · HARDWARE



# Company *Profile*

EXCLUSIVE AGENT
FOR EIGHT
INTERNATIONAL
BRANDS




# One partner, *from structure to finish.*

FOUNDED
2023

BASED IN
Kuwait

PROJECTS DELIVERED
100+

Solid began with aluminum: the profiles and systems that give a building its openings, its light and its lines. Today we are the exclusive agent for eight specialist international brands. Architects, designers and contractors can specify the envelope, the doors, the surfaces and the hardware of a project from a single accountable source.

SOLID



# Vision

To be the first name architects and designers reach for when a project demands precision.

# Mission

To deliver world-class architectural systems and finishes, backed by technical knowledge and dependable service.

# Values

*Precision*

*Integrity*

*Partnership*

*Craft*

# From first sketch *to final handover.*

| | | |
|---|---|---|
| *01* | Consult | We listen to the design intent first. |
| *02* | Specify | We match the right system to the opening, the span and the budget. |
| *03* | Supply | As exclusive agent, we source directly from each manufacturer. |
| *04* | Install | Fitted by trained teams to the manufacturer's standard. |
| *05* | Support | After-sales care long after handover. |



# Eight brands.
# *One exclusive agent.*

Each brand is a specialist in its field. Together they cover the envelope, the doors, the surfaces and the hardware of a project.

*01* PAGE 06

## VistaWall

Facade, window and door systems

*02* PAGE 15

## SAUC

Slim sliding and curtain wall systems

*03* PAGE 20

## Banker+

Architectural wire mesh

*04* PAGE 25

## Orientop

Decorative glass

*05* PAGE 30

## Projetta

Pivot entrance doors

*06* PAGE 37

## JNF

Architectural hardware

*07* PAGE 44

## Hikari

Hidden and slim doors

*08* PAGE 50

## Fritz Kohl

Fine wood veneer

SOLID | VISTAWALL INTERNATIONAL

EXCLUSIVE AGENT · KUWAIT

# Six decades of *architectural aluminum.*

VistaWall has worked in architectural aluminum for more than sixty years. The company grew by acquiring other architectural aluminum companies, adding systems to its range and opening locations across the United States, before bringing its engineering to the Middle East.

**1962** Founded in Terrell, Texas, under the name Aluminium Fronts.

**1984** The company takes the name Vistawall.

**2001** A sales and engineering office opens in Dubai to serve the Middle East.

***Today*** Represented in Kuwait exclusively by Solid.



CHICAGO SHAKESPEARE THEATER, USA

# One system family *for the whole envelope.*




PAN PACIFIC HOTEL, CHINA

Six systems cover every opening of a building, from a single window to a full glass facade.

## 01 Hinged windows and doors

Casement windows and hinged doors for everyday openings.

## 02 Stick curtain wall

Mullions and transoms assembled and glazed on site.

## 03 Unitized curtain wall

Factory-built panels, glazed off site and installed floor by floor.

## 04 Folding doors

Panels that fold aside to open a room fully to the outside.

## 05 Sliding systems

Large glazed panels that slide along a track.

## 06 Lift-and-slide systems

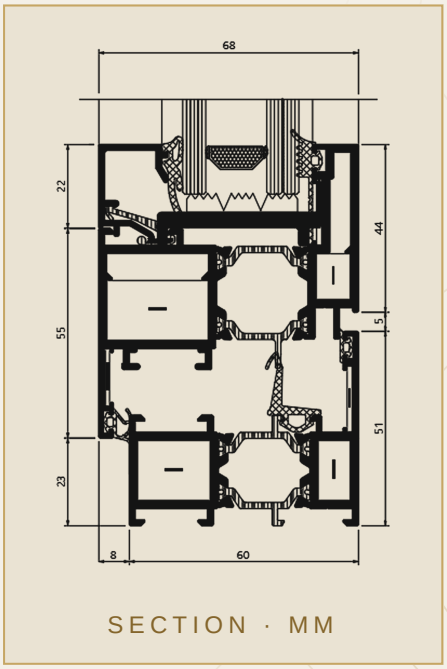
Panels lift off their seals to glide, then lower to close tight.




# *01* Hinged windows *and doors.*

VI 60 BC · THERMAL BREAK CASEMENT 60 MM

A thermally broken casement system with a 60 mm frame and a 24 mm polyamide thermal break, with visible or concealed hinges. It makes windows, French windows, doors and house entrance doors in a wide choice of configurations and opening types. The frame is 51 mm high, or 100 mm with the sash; door profiles are 150 mm high, and profile walls average 2 mm. Made to ISO 9001:2008, with type tests available for CE marking to EN 14351-1.




SECTION · MM

DATA SHEET

| | |
|---|---|
| FRAME DEPTH | 60 mm |
| THERMAL BREAK | 24 mm polyamide |
| GLAZING THICKNESS | 12–42 mm |
| AIR PERMEABILITY | Class 4 |
| WATER TIGHTNESS | Class E1500 |
| WIND RESISTANCE | Class C5 |
| ACOUSTIC INSULATION | 34 (-1; -5) dB |
| THERMAL INSULATION | Uf 2.1 W/m²K |
| MAX. SASH SIZE | 1700 × 2700 mm (W × H) |

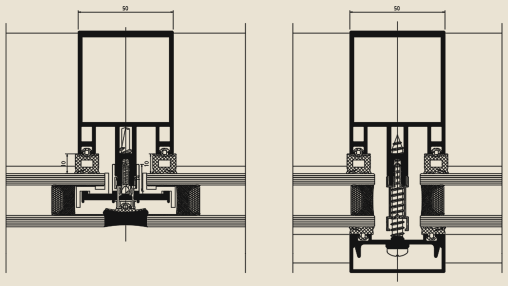
Classes to UNE-EN 12207, 12208 and 12210. Uf calculated to UNE-EN ISO 10077. Maximum sizes and sash weight depend on hardware, glass weight and wind load.



# 02 Curtain wall, *stick system.*

VI CW 50 · CURTAIN WALL SYSTEM 50 MM

A new generation of light façade, built from a wide range of mullions and transoms 50 mm wide, with a solution for the different aesthetic and construction needs of a project. Vertical mullions and horizontal transoms are joined by aluminum fixed stops or self-locking fixings. The mullion-to-transom connection is designed for full water tightness, with drainage to the outside.



SECTIONS · MM

| | |
|---|---|
| VI CW 50 T | Traditional grid |
| VI CW 50 SG | Glass only |
| VI CW 50 H | Horizontal grid |
| VI CW 50 V | Vertical grid |
| VI CW 50 SL | Slim line |

DATA SHEET

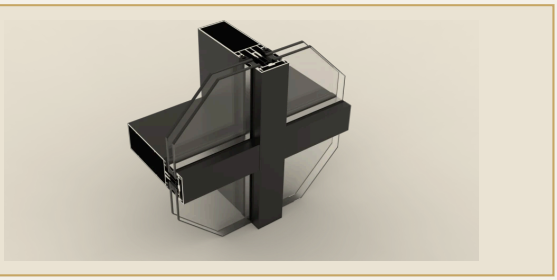
| | |
|---|---|
| PROFILE WIDTH | 50 mm |
| GLAZING THICKNESS | 6–44 mm |
| AIR PERMEABILITY | Class AE |
| WATER TIGHTNESS | Class RE750 |
| WIND RESISTANCE | 2.1 kPa |
| IMPACT RESISTANCE | E2 / I3 |
| ACOUSTIC INSULATION | 36 (-1; -5) dB |
| THERMAL INSULATION | UTJ 3.7 W/m²K |
| MAX. WEIGHT | 450 kg |

Classes to UNE-EN 12153, 12155 and 12179; impact to UNE-EN 14019. UTJ calculated to UNE-EN ISO 12631. Limits depend on fittings, glass weight and wind load.

# 02 Curtain wall, *cover designs.*

VI CW 50 · FIVE FAÇADE STYLES

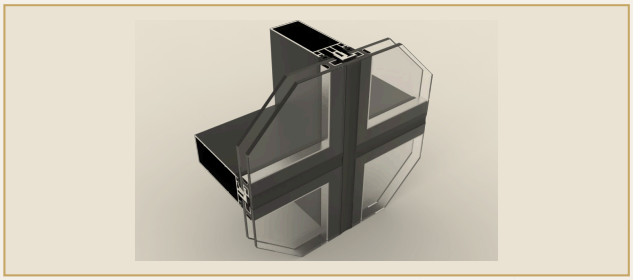
The same 50 mm mullion and transom structure takes five different covers. The façade can read as a full grid, as horizontal or vertical lines, or as glass alone, without changing the system behind it.



## Traditional grid

VI CW 50 T

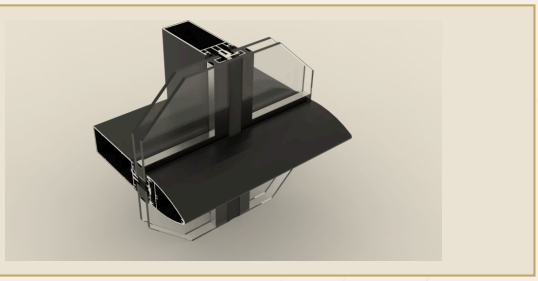
Cover caps on both mullions and transoms, for a clear grid.



## Glass only

VI CW 50 SG

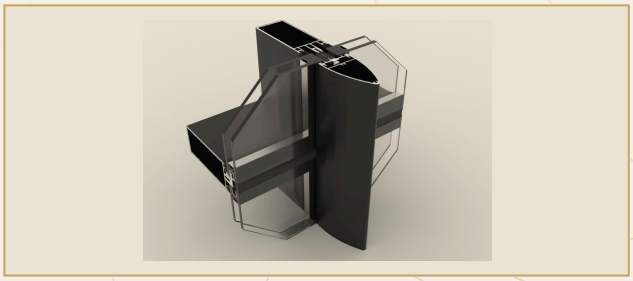
No outer caps; the glass runs from edge to edge.



## Horizontal grid

VI CW 50 H

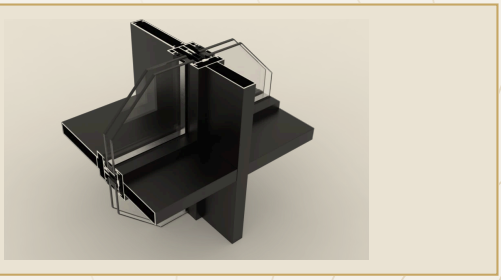
A shaped cover along the transoms draws horizontal lines.



## Vertical grid

VI CW 50 V

A shaped cover along the mullions draws vertical lines.



## Slim line

VI CW 50 SL

Slim projecting covers in place of the standard caps.

### *One structure, five looks.*

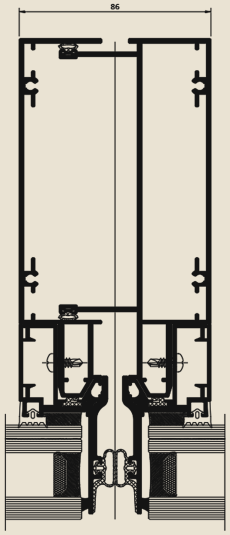
All five share the same structure, glazing range and performance. The data sheet is on page 09.



# *03* Curtain wall, *unitized system.*

VI CW U · UNITIZED FAÇADE

A unitized curtain wall: each unit, with its mullions, transoms and all its components, is built in the workshop and arrives on site ready to install. The façade grid is formed by perimeter aluminum frames holding glass or panels, with horizontal and vertical profiles joined at right angles by an aluminum corner bracket. A triple barrier of EPDM, TPV and NBR gaskets keeps the weather out.




SECTION · MM

DATA SHEET

| | |
|---|---|
| MULLION WIDTH | 86 mm |
| GLASS JOINT | 20 mm |
| WEATHER SEAL | EPDM · TPV · NBR |
| AIR PERMEABILITY | Class AE |
| WATER TIGHTNESS | Class RE750 |
| WIND RESISTANCE | 2.1 kPa |
| IMPACT RESISTANCE | E2 / I3 |
| ACOUSTIC INSULATION | 36 (-1; -5) dB |
| THERMAL INSULATION | UTJ 3.7 W/m²K |

Classes to UNE-EN 12153, 12155 and 12179; impact to UNE-EN 14019. UTJ calculated to UNE-EN ISO 12631.

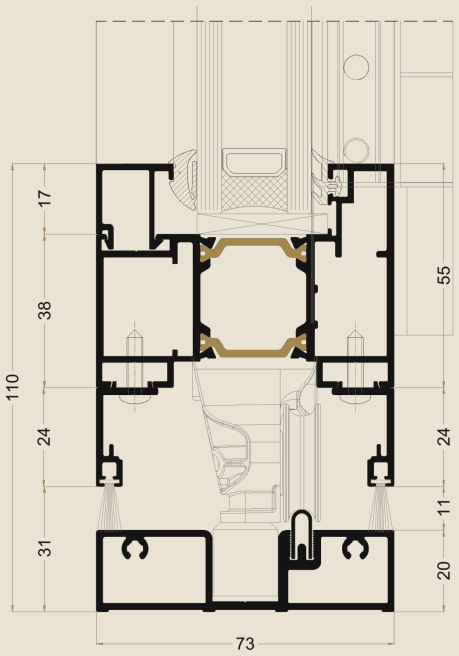


*04*

# Folding *doors.*

VI 73 BF · BI-FOLD SYSTEM

A thermally broken bi-fold system that pairs modern aesthetics with exceptional functionality. Its elevated track suits residential and commercial projects alike. Up to 14 sashes open in or out, while a flush threshold and concealed rollers keep the look seamless. It accepts European groove fittings.




LOW THRESHOLD · MM

DATA SHEET

| | |
|---|---|
| SYSTEM DEPTH | 73 mm |
| GLAZING THICKNESS | 6–44 mm |
| SASHES | Up to 14 |
| OPENING | Inward or outward |
| THRESHOLD | Standard sill or low threshold |
| MAX. SASH SIZE | 1200 × 3000 mm (W × H) |
| MAX. SASH WEIGHT | 120 kg |
| MAX. DEFLECTION | H/200, under 15 mm |
| HARDWARE COLOURS | White · Black · Grey 7016 |

Maximum sizes are the system recommendations. The allowable panel size depends on the wind load of the project.

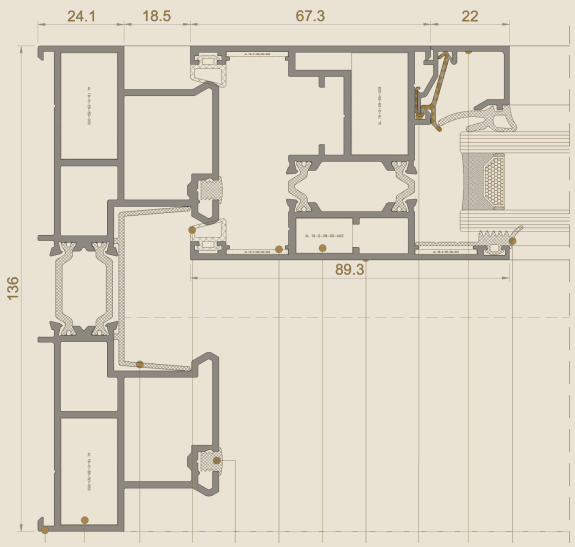
*05*

# Sliding and *lift-and-slide.*

VI 60 BS · SLIDING SYSTEM



A highly versatile sliding system for a wide range of configurations and opening options. With a 136 mm frame and a 60 mm sash, it takes both standard sliding hardware and lift-and-slide mechanisms. Profiles are extruded from AW-6063 alloy with T6 treatment, and 14 mm polyamide thermal breaks limit heat transfer between the inner and outer faces. It accepts European groove fittings and is made to ISO 9001.




SECTION · MM

DATA SHEET

| | |
|---|---|
| FRAME DEPTH | 136 mm |
| SASH DEPTH | 60 mm |
| THERMAL BREAK | 14 mm polyamide |
| GLAZING THICKNESS | 6–46 mm |
| SASH HEIGHT | 89 mm |
| FRAME WITH SASH | 132 mm |
| PROFILE WALL | 1.8 mm average |
| ALLOY | AW-6063 T6 |
| HARDWARE | Sliding or lift-and-slide |

Track options and panel layouts are on page 14.

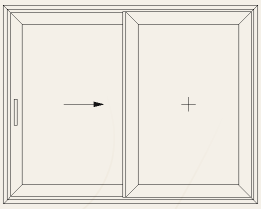
# 05 Sliding, *configurations.*

VI 60 BS · STANDARD TRACK AND MONORAIL

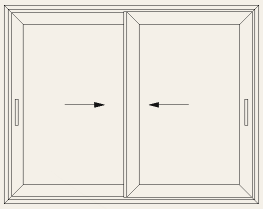
The same sashes run on a standard track or on a monorail frame, in layouts from one sliding panel to four panels meeting at the centre.

## Standard track

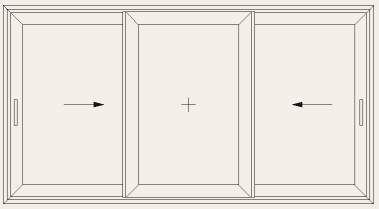
136 MM FRAME



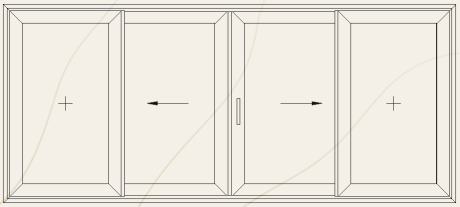
ONE SLIDE



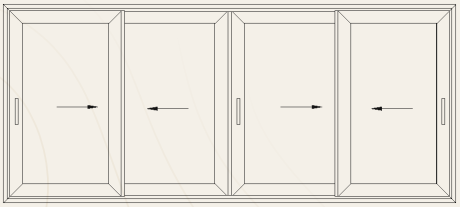
TWO SLIDE



TWO SLIDE AND ONE FIX



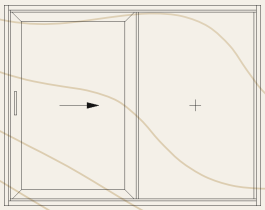
MEETING STYLE



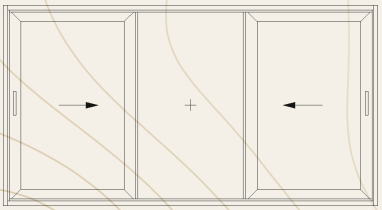
FOUR MEETING STYLE

## Monorail

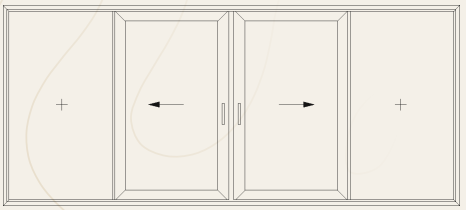
126 MM FRAME



ONE SLIDE



TWO SLIDE AND ONE FIX



MEETING STYLE

An arrow marks a sliding panel. A cross marks a fixed panel.

### *Sliding*

Panels run on rollers along the track, for everyday openings.

### *Lift-and-slide*

The handle lifts the panel off its seals to glide, then lowers it to close tight.

SOLID | SAUC SYSTEMS

EXCLUSIVE AGENT · KUWAIT



# Less frame. *More view.*

SAUC designs minimal aluminum systems that take the frame out of the view. Ultra-slim profiles and concealed mechanisms give seamless transitions and uninterrupted glass, from a single sliding door to a full façade. This chapter covers its slim sliding systems, the Zero levitation system and its slim curtain wall.

**20 mm**
SLIMMEST VISIBLE PROFILE

**8 m**
TALLEST FRAME HEIGHT

**16**
SLIDING SYSTEMS IN THE RANGE

*01* Slim sliding — Three series, from ultra-slim to high insulated — PAGE 16

*02* Zero — Magnetic levitation sliding for very heavy doors — PAGE 18

*03* Slim curtain wall — SAUC Façade 34, an insulated minimal façade — PAGE 19



*01*

# Slim sliding, *the range.*

16 SYSTEMS IN THREE SERIES

Every project asks for its own kind of movement. SAUC offers a range of sliding systems matched to performance, scale and aesthetics, with motorised operation available.

## Non-thermal series

Ultra-slim profiles with concealed mechanisms, for seamless transitions and uninterrupted views.

SAUC 08 · SAUC 10 · SAUC 18 · SAUC 26 · SAUC 28 · SAUC 2812 · SAUC 32 · SAUC 3230

## Thermal break series

The same slim lines with an insulated profile, for comfort as well as view.

SAUC 30 · SAUC 34 · SAUC 3418 · SAUC 3430 · SAUC 44

## High insulated series

The most advanced range, engineered for thermal insulation, acoustic performance and scale.

SAUC 54 · SAUC 64 · SAUC 74

### TRACKS

One to six tracks, depending on the system

### INSTALLATION

Bottom flush, side flush, fusion or inline glazing

### LOCKING

180 lock, key lock, self lock, up-down lock or electric drop bolt

### FINISHES

Anodised, powder coat, PVDF, wood effect or anti-bacterial powder coat

# 01 Slim sliding, *in numbers.*

SIX SYSTEMS ACROSS THE THREE SERIES

From the lightest non-thermal slider to the high insulated systems built for the largest openings. Sizes are maximums per sash, and thermal and sound figures are the best values each system reaches.

| | NON-THERMAL | | | THERMAL | HIGH INSULATED | |
|---|---|---|---|---|---|---|
| SYSTEM | 10 | 18 | 32 | 34 | 64 | 74 |
| GLASS THICKNESS · MM | 10–13.5 | 16–18 | 32–34 | 32–34 | 62–64 | 72–74 |
| MAX. SASH HEIGHT · MM | 2500 | 4500 | 4500 | 6000 | 8000 | 8000 |
| MAX. SASH WIDTH · MM | 1500 | 2400 | 2400 | 2400 | 6000 | 6000 |
| MAX. SLIDING AREA · M² | 4 | 7 | 7 | 8.5 | 12 | 12 |
| MAX. FIXED AREA · M² | 6 | 9 | 9 | 12 | 18 | 18 |
| TRACKS | 2–5 | 2–4 | 2–4 | 2–6 | 1–6 | 1–6 |
| AIR TIGHTNESS | Class 4 | Class 4 | Class 4 | Class 4 | Class 4 | Class 4 |
| WATER RESISTANCE | Class 9A | Class 9A | Class 9A | Class 9A | Class 9A | Class 9A |
| WIND RESISTANCE | C3 | C3 | C5 | C5 | C5 | C5 |
| THERMAL UW · W/M²K | 4.80 | 4.80 | 2.80 | 1.8 | 0.5 | 0.4 |
| SOUND INSULATION · DB | 30 | 30 | 37 | 40 | 45 | 50 |
| BURGLARY RESISTANCE | RC-2 | RC-3 | RC-4 | RC-4 | RC-5 | RC-6 |

Figures as published by SAUC. Air tightness to EN 12207, water resistance to EN 12208, wind resistance to EN 12210. Performance depends on glass and configuration. Data for the other systems in the range is available on request.



# 02 Zero, *sliding without friction.*

SAUC ZERO · MAGNETIC LEVITATION SLIDING SYSTEM

SAUC Zero carries the door on a magnetic field instead of on rollers. Levitation pads support the panel along its length, so large, extremely heavy windows, doors and walls move with minimal force and almost no friction. The sliders are modular, in single or double units, to spread the weight along the door.

**2 kg**
PULLING FORCE FOR A 600 KG DOOR

**1,500 kg**
HEAVIEST DOOR TESTED

**100,000**
OPENING CYCLES TESTED

**1,000 h**
SALT SPRAY TEST

## *No power needed*

Levitation comes from the magnets themselves. There is no electrical connection and nothing to switch on.

## *A contained field*

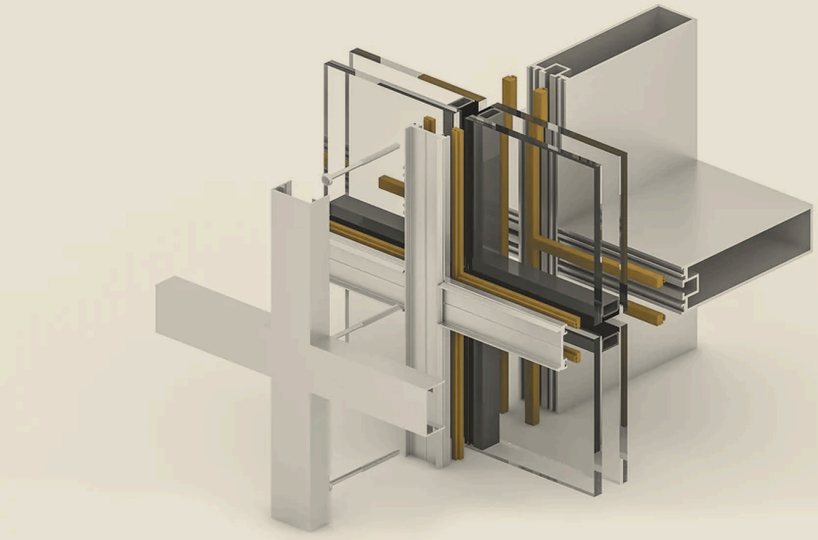
The magnetic field stays inside the slider, with no stray field outside it, so it is safe for use at home.

## *Very low wear*

The door is carried by the field, not by loaded rollers, so the moving parts wear very little.

## *Three rail layouts*

A single rail for compact frames, a double rail for higher loads, or a recessed rail for a flush threshold.



# 03 Slim *curtain wall.*

SAUC FAÇADE 34 · INSULATED CURTAIN WALL SYSTEM

SAUC Façade 34 is a minimal façade system that combines the slimmest possible face width with the highest possible thermal performance. It brings structure, insulation and minimal design together in one seamless exterior, and the same system takes hinged windows and entrance doors.

## FEATURES

| | |
|---|---|
| 01 | Basic system width of 35 mm |
| 02 | High thermal insulation |
| 03 | Seamless appearance |
| 04 | Ease of fabrication |
| 05 | Takes hinged windows |
| 06 | Takes entrance doors |
| 07 | Effective water evacuation |

## DATA SHEET

| | |
|---|---|
| SYSTEM WIDTH | 35 mm |
| AIR PERMEABILITY | Class 4 |
| WATER TIGHTNESS | Class 9A |
| WIND LOAD RESISTANCE | Class C3 |
| THERMAL | Up to 4.80 W/m²K |
| SOUND INSULATION | 30 dB, Class 2 |
| BURGLARY RESISTANCE | RC2 |

Figures as published by SAUC. Thermal value with glass Ug 4.6 (EN 673). Air to EN 12207, water to EN 12208, burglary to EN 1627, sound to DIN 4109.

SOLID | BANKER WIRE

EXCLUSIVE AGENT · KUWAIT

# Metal, *woven.*



Banker Wire weaves and welds wire mesh for architecture. Made in Wisconsin since 1896, its mesh is used on facades, railings, ceilings and interiors, in nine metals and more than eighty patterns. This chapter covers the company's story, its range, its materials and finishes, and where the mesh is used.

**1896**
FOUNDED IN MILWAUKEE

**80+**
ARCHITECTURAL MESH PATTERNS

**9**
METALS AND ALLOYS


| | | | |
|---|---|---|---|
| *01* | The story | From Milwaukee ironworks to mesh manufacturer | PAGE 21 |
| *02* | The range | Woven, welded, ornamental and flexible mesh | PAGE 22 |
| *03* | Materials and finishes | Nine metals and seven secondary finishes | PAGE 23 |
| *04* | In the project | Where architects use the mesh | PAGE 24 |

# Weaving *since 1896.*

Banker Wire began by making wrought iron and wire products, from fire escapes to bank teller cages. Today it manufactures woven and welded wire mesh for architectural and industrial use, with more than 125 years of experience behind it.

| | |
|---|---|
| 1896 | Charles Banker founds C.I. Banker Wire & Iron Works in Milwaukee, Wisconsin. |
| 1965 | New ownership begins to rebuild the company. |
| 1970s | Banker Wire moves from reselling wire cloth to manufacturing its own. |
| 2019 | A new 182,000 square foot headquarters opens in Mukwonago, Wisconsin. |
| *Today* | Represented in Kuwait exclusively by Solid. |

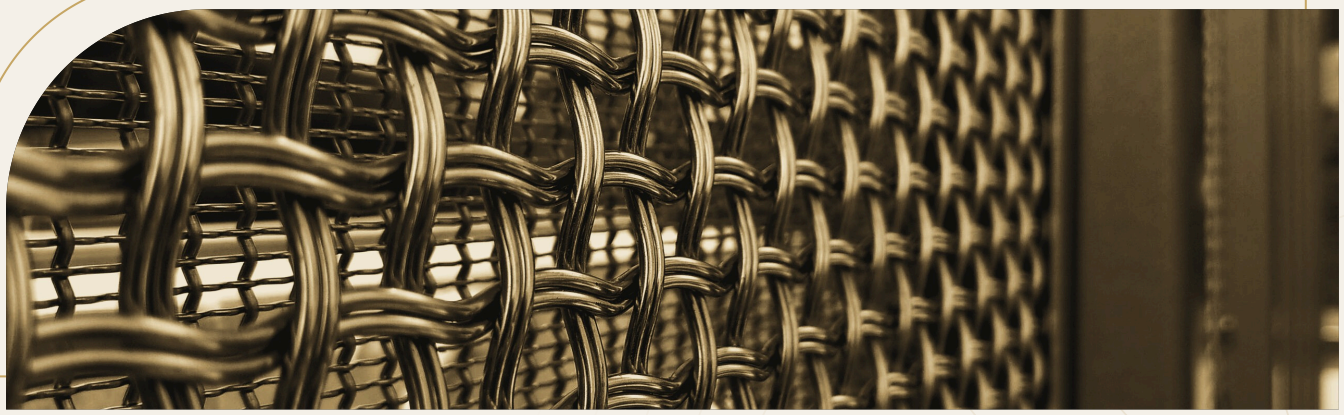






# Woven, welded, *rigid or flexible.*

Banker Wire makes four kinds of mesh. Rigid mesh holds its shape inside a frame, while flexible mesh drapes, curves or tensions across large areas.



## *01* Woven wire mesh

Pre-crimped wires woven on mechanical looms into rigid panels with tight intersections.

## *02* Welded wire mesh

Wires welded at every intersection for a flat, precise grid.

## *03* Ornamental welded mesh

Large-scale patterns built from square and rectangular repeats of multiple wires.

## *04* Flexible mesh

Loose intersections let the mesh drape, curve or tension across large areas.

### RIGID MESH · FRAMING

Angle Iron | U-Edge | Versatile Spine

Three ways to frame a rigid panel: a simple angle iron, a roll-formed U-Edge channel or the laminated Versatile Spine.

### FLEXIBLE MESH · ATTACHMENT

TENSIONED

Round Thread | Flat Thread | Wrap

DRAPED

Loop | Curtain | Fold

# Nine metals, *seven finishes.*



The same pattern reads differently in every metal. Banker Wire weaves in nine materials and offers seven secondary finishes that change the colour or protect the surface.

## MATERIALS

### Stainless steel
Grades T304 and T316

### Plain steel
Carbon steel, ready for plating or coating

### Weathering steel
Forms a stable rust-coloured surface outdoors

### Pre-galvanized
Wire coated in zinc before weaving

### Galfan
A coating of 95% zinc and 5% aluminum

### Aluminum
One third the weight of steel

### Bronze
A warm red-brown tone

### Brass
A yellow-gold tone, anti-sparking

### Copper
Develops a natural patina over time

## SECONDARY FINISHES

*01* Decorative plating

*02* Antique plating

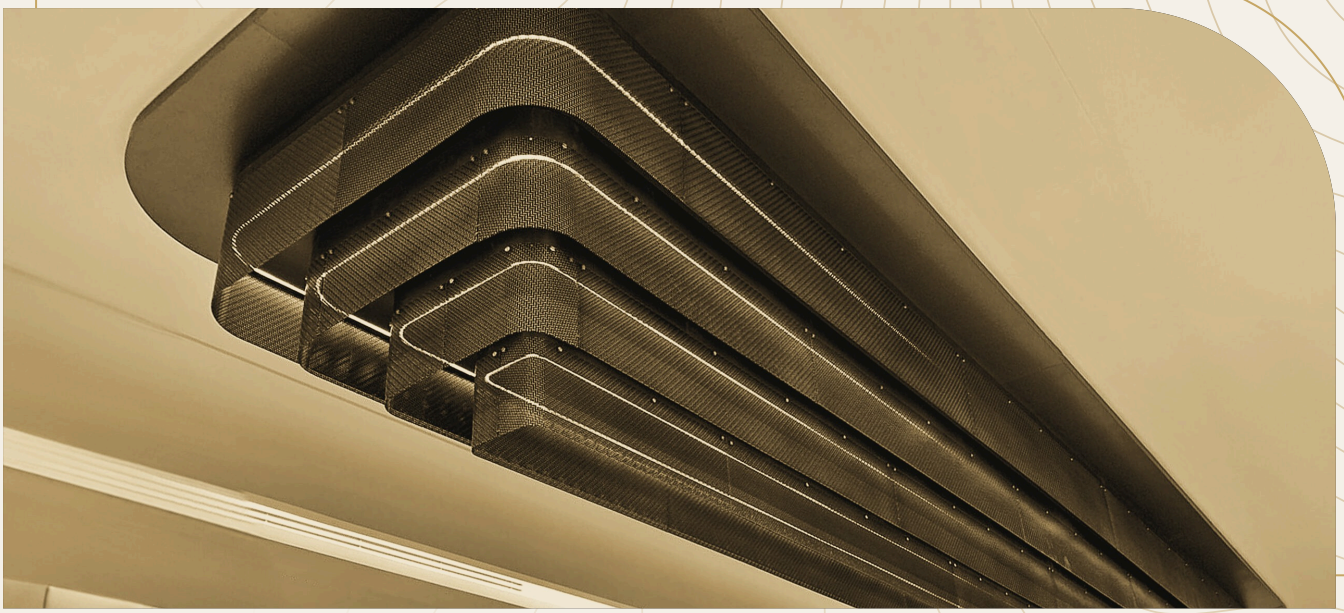
*03* US10B

*04* US10A

*05* Powder coating

*06* Passivation

*07* Hot dip galvanizing



# From facade *to furniture.*

Architectural mesh works at every scale of a building, outside and inside. Banker Wire groups its work into seven kinds of application.

### *01* Facades and parking garages

Screening, shading and ventilation at building scale.

### *02* Railings

Infill panels for stairs, balconies and walkways.

### *03* Fences and enclosures

Secure boundaries that stay open to light and air.

### *04* Ceilings and canopies

Mesh overhead, to filter light and conceal services.

### *05* Space dividers and displays

Partitions that separate without closing a room.

### *06* Interior cladding

Wall and column surfaces with a metal texture.

### *07* Cabinetry and furniture

Door inserts and panels for joinery.

*Specified and supplied in Kuwait through Solid.*

SOLID | ORIENTOP LIMITED

EXCLUSIVE AGENT · KUWAIT

# Glass with *character.*



Orientop is a Hong Kong maker of decorative and special glass for architecture. Since 1995 it has worked in laminated, coated, formed and switchable glass, made in its own factories. This chapter covers its story, its range, how each piece is made to the design, and the standards it meets.

**1995**
ESTABLISHED IN HONG KONG

**2**
FACTORIES OF ITS OWN

**42,000**
SQUARE METRES SHIPPED A YEAR


| | | | |
|---|---|---|---|
| *01* | The story | From bullet-proof glass to decorative glass | PAGE 26 |
| *02* | The range | Laminated, coated, switchable and formed glass | PAGE 27 |
| *03* | Made to the design | From consultation to delivery | PAGE 28 |
| *04* | Specification | The standards the glass is made to | PAGE 29 |

# Three decades of *specialist glass.*




Orientop, based in Hong Kong, has worked with special glass since 1995. Its own factories keep the whole process in house, and it ships around 42,000 square metres of glass a year.

| | |
|---|---|
| 1995 | Orientop is established, specialising in bullet-proof glass and other special glass. |
| 1999 | The first factory opens in Xinhui. |
| 2016 | A second factory opens in Taishan. |
| *Today* | Represented in Kuwait exclusively by Solid. |

# Six ways *to work with glass.*

Orientop treats glass as a surface to design, not only a pane to see through. Its range covers colour, texture, shape and privacy.



## *01* Laminated glass

Glasslam C.I.P. laminated glass. Orientop is a qualified manufacturer of the system.

## *02* Colour-coated glass

Vetrocolor colour coating on glass. Orientop is a qualified manufacturer.

## *03* Semi-transparent laminated glass

Laminated glass that lets light through while softening the view.

## *04* Switchable glass

OTL glass. A liquid-crystal film inside the laminate turns the glass clear when the power is on.

## *05* Low-reflection glass

In-Vision glass, made to cut reflections on the surface.

## *06* Kiln-formed and curved glass

Glass textured in the kiln or bent to a curve, made to the design.

PROCESSING TO ORDER

Cutting | Polishing | Sandblasting | Toughening | Printing | Edging | Drilling

# Made to *the design.*



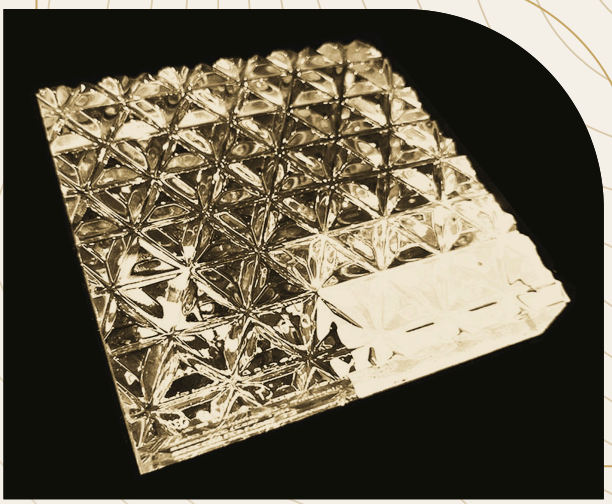
Orientop glass is developed for the project, not chosen from a shelf. One team carries it from the first enquiry to the finished installation.

| | | |
|---|---|---|
| *01* | Consult | An experienced service team answers every glass enquiry and request. |
| *02* | Design | Glass developed for each client, with sample boards for inspiration. |
| *03* | Manufacture | Made in Orientop's own factories, in operation since 1999. |
| *04* | Deliver | An independent logistics department handles order and delivery. |
| *05* | Install | A trained construction team with project management on site. |

## WHERE IT GOES

Partitions and screens · Feature walls · Doors · Balustrades · Shopfronts · Windows · Lift lobbies · Reception areas

# Beauty that meets *the standard.*



Decorative glass still has to be safe glass. Orientop manufactures to British, European, American, Australian and Chinese standards.

| | | |
|---|---|---|
| BRITISH | BS 6206 | Impact test |
| EUROPEAN | EN 14179-1:2016 | Heat soak |
| AMERICAN | ASTM C1048 | Tempered glass |
| AMERICAN | ASTM C1279 | Edge and surface stress |
| AUSTRALIAN | AS 2208 | Safety glazing in buildings |
| CHINESE | GB 15763.2 | Tempered safety glass |
| ENVIRONMENT | ISO 14001 | Environmental management system |

## QUALIFIED MANUFACTURER

Vetrocolor coating

Glasslam C.I.P. laminated glass

## IN THE FACTORY

- Tempering furnace
- Heat-soak oven
- Water-jet cutting
- Double-edge polishing

SOLID | PROJETTA by weiku

EXCLUSIVE AGENT · KUWAIT

# Grand *entrances.*



Projetta by Weiku makes monumental pivot entrance doors in aluminum, each one a unique project. The Brazilian maker builds doors up to 8.5 metres tall and has delivered them to 35 countries. This chapter covers its story, sizes, models, construction, hardware and finishes.

| 2013 | 35 | 8.5 m |
|---|---|---|
| FOUNDED IN BRAZIL | COUNTRIES SERVED | TALLEST DOOR |


| | | | |
|---|---|---|---|
| *01* | The story | From Brazil to 35 countries | PAGE 31 |
| *02* | Sizes and typologies | Minimum and maximum sizes, fixed elements | PAGE 32 |
| *03* | Models | Twenty-four door designs | PAGE 33 |
| *04* | How it is built | Structure, pivot, sealing and threshold | PAGE 34 |
| *05* | Locks and handles | Mechanical and digital locks, three handle families | PAGE 35 |
| *06* | Finishes and colours | Six colour ranges in ACM and Alusense | PAGE 36 |

# From Brazil *to 35 countries.*

Projetta started with a bold vision and became a benchmark in high-end doors. Its monumental doors now stand in 35 countries across the Americas, Europe, Africa, Asia and Oceania, Kuwait among them.

**2013** — Founded by engineer Felipe Xavier Lima, then 23, with a team of two.

***Doors*** — The company moves from frames to doors clad in ACM.

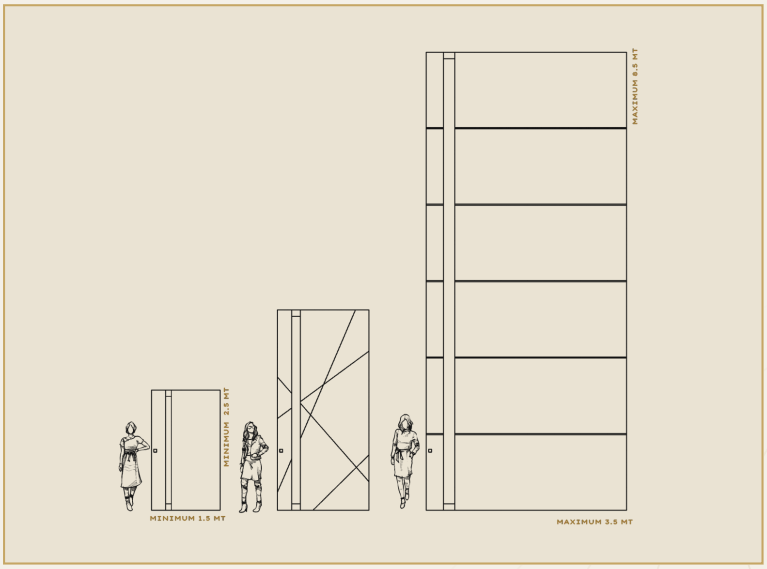
***Weiku*** — Projetta joins Weiku, led by Arnd E. Kilian, to become Projetta by Weiku.

***Today*** — Represented in Kuwait exclusively by Solid.



# From 2.5 *to 8.5 metres.*

Each door is made to its opening. The pivot needs a door at least 1.5 m wide, and a door can reach 3.5 m wide and 8.5 m high.



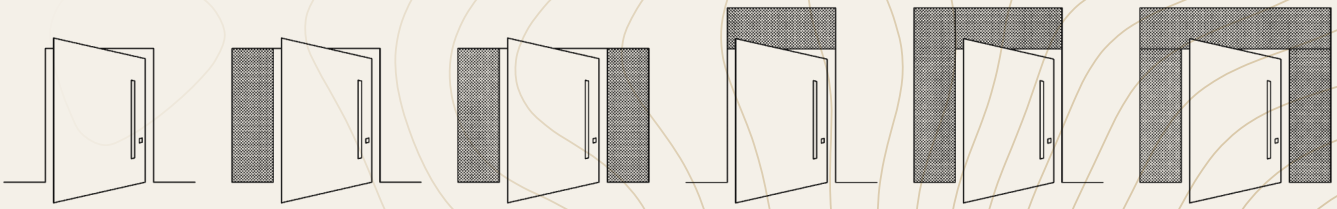

| | |
|---|---|
| 1.5 m | MINIMUM WIDTH |
| 2.5 m | MINIMUM HEIGHT |
| 3.5 m | MAXIMUM WIDTH |
| 8.5 m | MAXIMUM HEIGHT |

## CLADDING PANEL SIZES

| | | |
|---|---|---|
| ACM AND ALUSENSE | 1.5 × 5.0 m | Standard |
| ACM AND ALUSENSE | 1.5 × 6.0 m · 7.0 m · 8.0 m | Special order |
| HPL PERTECH | 1.24 × 3.07 m | Standard |
| MDI INALCO | 1.6 × 3.2 m | Standard |

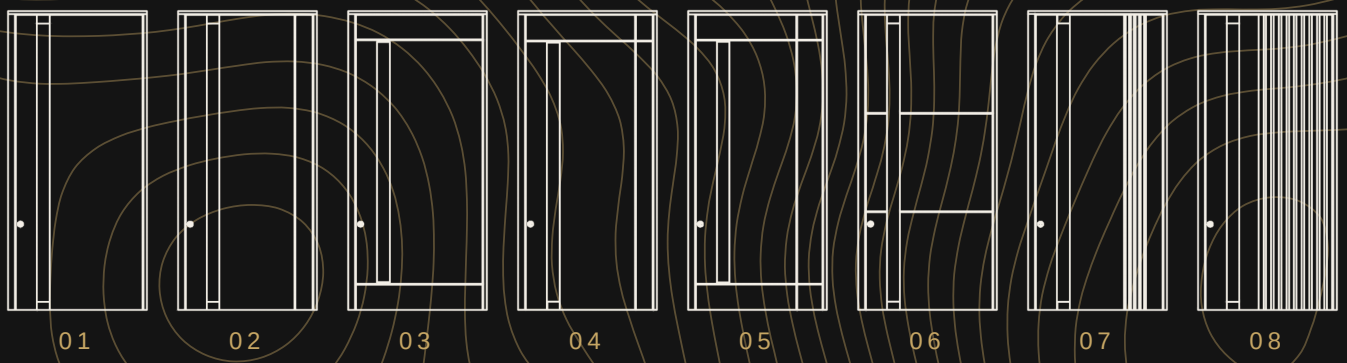
## FIXED ELEMENTS

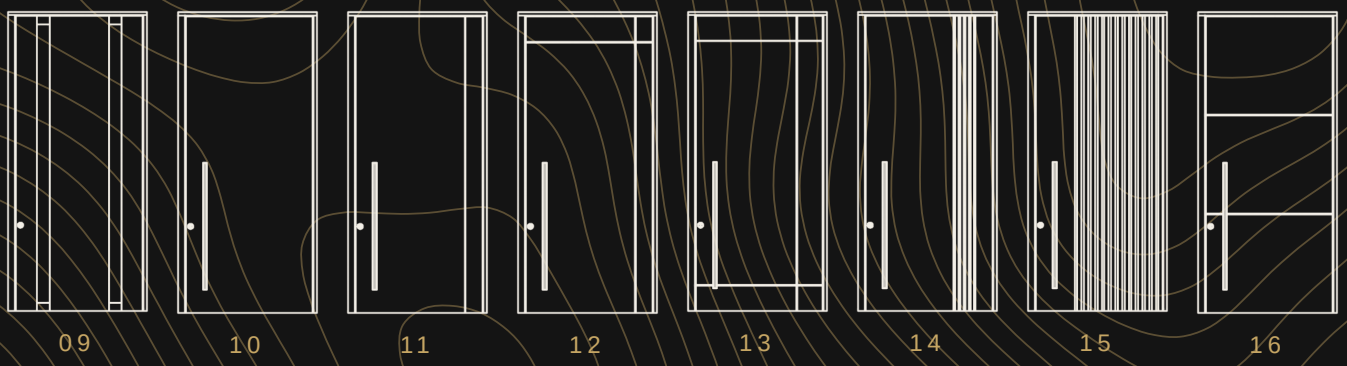
Fixed panels can sit beside the door, above it or both, clad to match the door or glazed for daylight.

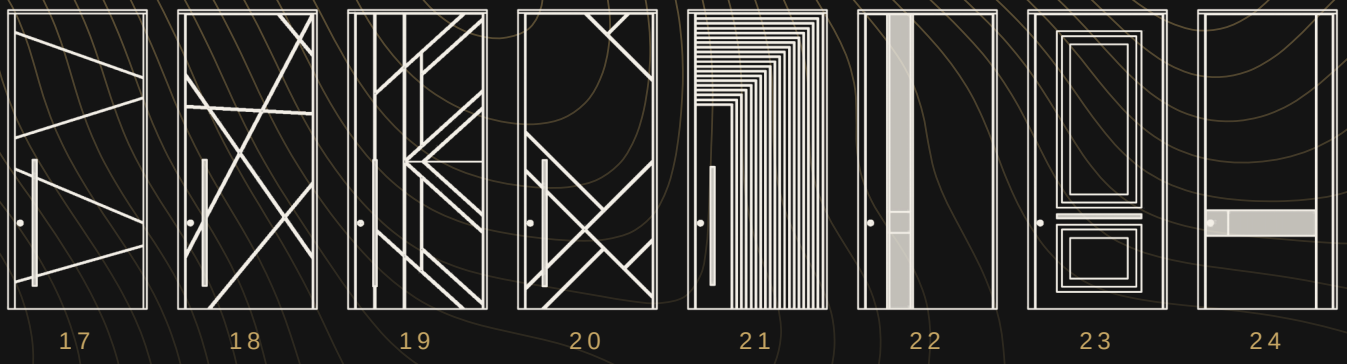


# Twenty-four *models.*

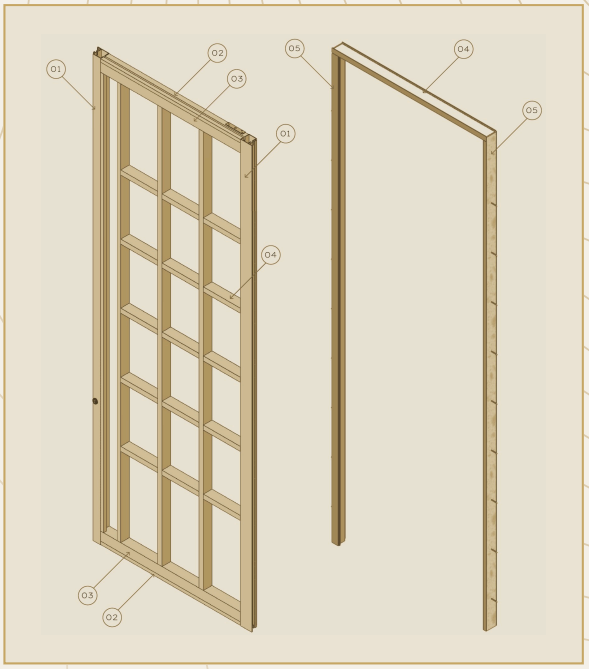
The 2025 catalogue shows 24 door models, from a plain leaf to grooved and geometric faces. The model is chosen together with the colour, because panel sizes depend on the finish.



# Hidden hardware. *Visible presence.*




The door turns on a pivot at top and bottom, set in from the edge, so no hinge shows and the opening is wide and smooth. That offset slightly reduces the clear passage width.

## Structure

A 100% aluminum internal structure, fully laser welded. It resists corrosion, is immune to termites and does not warp with the climate.

## Cladding

ACM skins in 3 or 4 mm, pre-painted by coil coating for uniform colour. Alusense, HPL and MDI panels are also offered.

## Pivot

A 304 stainless steel pivot on a ball bearing carries up to 1,000 kg. The FritsJurgens System M+ pivot, with latch control, takes doors from 20 to 500 kg.

## Sealing

A concealed automatic seal drops at the foot of the door as it closes and lifts when it opens. Schlegel Q-Lon foam seals close the frame.

## Frame

With architrave, a 100 mm trim and an adjustment channel correct wall imperfections, for panels up to 5 m high. Without it, an ACM strip in the door colour closes the gap.

## Threshold

Straight, overlapping or drainage thresholds keep water out. The sill should be one continuous, level piece of marble, granite or porcelain.

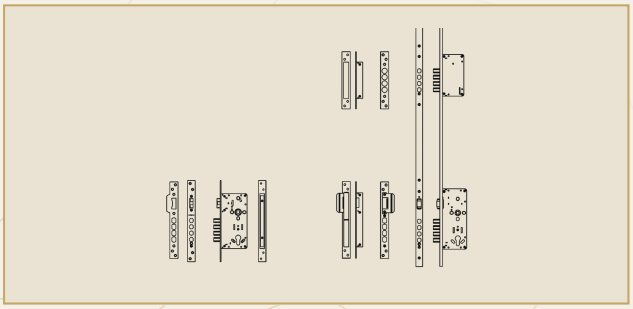
# Locks *and handles.*

Security and touch are specified with the door: a Swiss multipoint lock, a digital lock if wanted, and a handle to suit the design.

MECHANICAL LOCK

## KESO Volper multipoint

Swiss technology, with 4 to 20 locking pins along the door. It resists forced entry and holds the door shut in extreme wind.



DIGITAL LOCKS

### Philips EasyKey 9300

Push-pull digital lock. Opens by fingerprint, card, passcode, app or key.

### Emteco Barcelona

Fingerprint, passcode, card, app and temporary codes. Works with the KESO multipoint lock.

### Tedee Pro

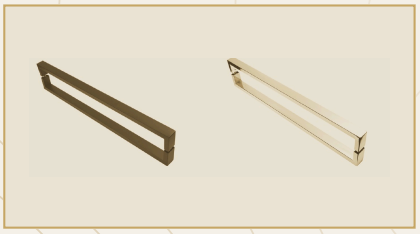
Fingerprint, passcode, touch or app, fitted on the inside. Works with the KESO multipoint lock.

HANDLES



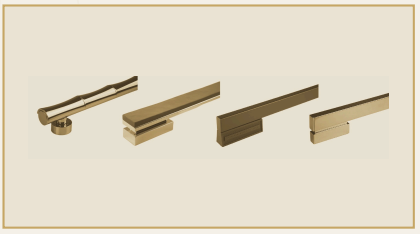
## Classic Atelier du Metal

Classic handles sold in pairs for passage doors, in stainless steel, brass or bronze, satin or polished.



## Stainless steel

The standard pull handle in 304 stainless steel, model 50 × 20. Polished, brushed or matte black.



## Zen Design

Minimalist handles in stainless steel, aluminum and brass, developed for pivot and high-end doors.

# Finishes *and colours.*



The door is clad in ACM: two aluminum skins bonded to a core, up to 40% lighter than solid aluminum sheet, with a pre-painted finish made to last. Six ranges cover solid colour, metallic, wood, texture and Corten.

## ACM SEMI-GLOSS — 12 COLOURS

- Umbragrau dark grey
- White
- Semi-gloss black
- Bronze 1003
- Dark red
- Bank red
- Cobalt blue
- Navy blue
- Telecon blue
- Orange
- Post green
- Yellow

## ACM METALLIC — 12 COLOURS

- Dark grey
- Pewter grey
- Smoke silver
- Champagne
- Silver golden
- Sand golden
- Golden
- Bronze 1001
- Bronze 1002
- Jade silver
- Brown
- Bright bronze

## ACM WOOD FINISH — 9 FINISHES

- Imbuia
- Sucupira
- Ébano
- Âmbar
- Jatobá
- Mogno
- Castanha
- Nogueira
- Carvalho Mel

## ALUSENSE WOOD — 6 FINISHES

- European oak
- Maple
- Marsala
- Washed oak
- Louro Freijó
- Jacarandá

## ACM TEXTURED — 6 COLOURS

- Umbragrau grey
- Black
- Dark grey
- Bronze 1001
- Bronze 1002
- Bronze 1003

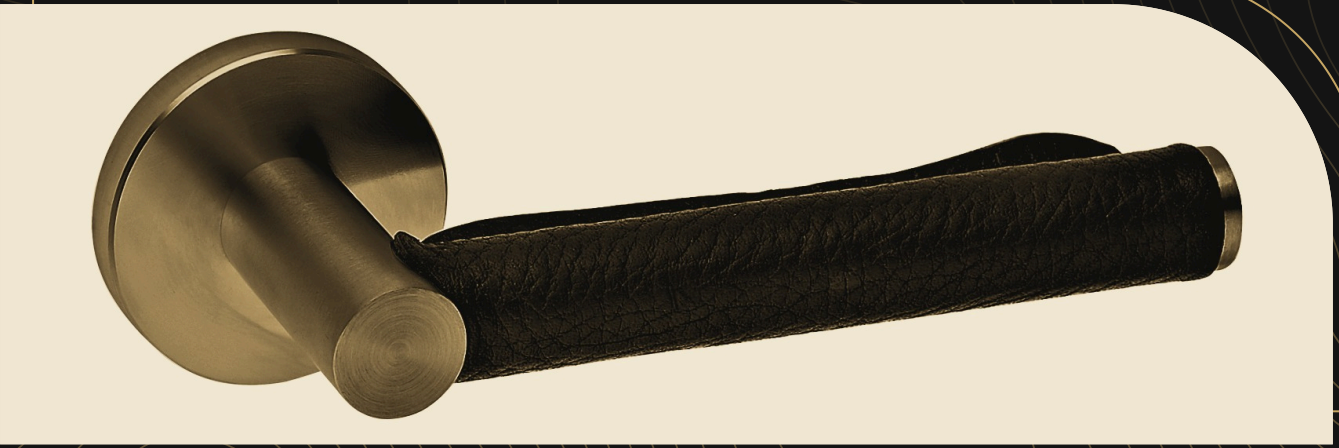
## ACM CORTEN STEEL — 3 FINISHES

- Eura Corten
- Oxidised Corten red
- Oxidised Corten steel

ACM comes in 3 mm and 4 mm, and is available with a fire-resistant mineral core.

SOLID | JNF ARCHITECTURAL HARDWARE

EXCLUSIVE AGENT · KUWAIT



# The detail *you touch.*

JNF designs and makes architectural hardware in Portugal, from the lever handle to the lock, hinge and access control behind it. This chapter covers its story, its range, the systems that move a door, and how the hardware is made.

**1965**
FOUNDED IN PORTO

**21**
PRODUCT FAMILIES

**1,000 kg**
HEAVIEST DOOR ON A JNF PIVOT


| | | | |
|---|---|---|---|
| *01* | The story | Six decades, from Porto to the world | PAGE 38 |
| *02* | The range | Twenty-one product families | PAGE 39 |
| *03* | What moves the door | Pivots, hinges, sliding systems and locks | PAGE 40 |
| *04* | Design to finish | Certified quality and PVD finishing | PAGE 41 |
| *05* | Ross Lovegrove | Three 3D-printed handle collections | PAGE 42 |

# Six decades *of hardware.*

JNF has followed the evolution of construction hardware for six decades. It began with hinges for furniture and grew into stainless steel hardware for architecture.

| | |
|---|---|
| 1965 | Founded in Porto under the JMN brand, making stamped hinges for the furniture industry. |
| 1988 | The JNF brand is created. |
| 1999 | Production of hardware in stainless steel begins. |
| 2000 | First international fair, in Bilbao, and the start of exports. |
| 2016 | Production units for PVD titanium finishing are created. |
| 2022 | Red Dot Design Award, and the launch of the Freeline brand. |
| *Today* | Represented in Kuwait exclusively by Solid. |





# Hardware for *the whole building.*

Twenty-one product families cover every door and every room, designed to complement each other in design and function.

## *A* Door lever handles

Lever handles, roses, key holes and flush handles.

## *B* Pull handles

Single and double pull handles for doors.

## *C* Hinges and pivots

Concealed, heavy-duty and spring hinges; hydraulic pivots.

## *D* General hardware

Door stoppers, hooks, bolts, viewers and handrail supports.

## *E* Sliding door systems

From manual to automatic, for glass, wood or metal doors.

## *F* Glass solutions

Fittings for glass doors, cabins, canopies and barriers.

## *G* Furniture hardware

Knobs, handles and flush handles for furniture.

## *H* Locks and closers

Locks, cylinders, door closers, drop seals and panic exit devices.

## *I* Access control

The Voyager system, keypads, locker locks and hotel safes.

## *J* Signage

Pictograms, numbers and letters.

## *K* Bathroom

Accessory series for hotels, clinics and homes, and public washrooms.

## *L* Sanitary booths

Hardware for HPL cubicle panels and doors.

# What moves *the door.*



Behind the handle are the parts that carry, close and secure the door. JNF makes them as one coordinated range.

## Pivots

Pivot systems for timber, metal and glass doors, carrying doors up to 1,000 kg.

## Hinges

Concealed, heavy-duty, medium-use and spring hinges, including the Coplan concealed hinge shown above.

## Sliding systems

From manual to automatic, for glass, wood or metal doors: hidden, built-in track, folding and stainless steel systems.

## Door closers

Overhead and concealed overhead closers, floor closers and door coordinators.

## Cylinders

European profile cylinders, from the S11 standard cylinder to the S40 high-security and the S90 S-Tronic electronic cylinder.

## Access control

The Voyager system with gateways, keypads, electric strikes and locks for lockers, made to be simple to install and use.

JNF BRANDS

Hikari by JNF | PivotLab | Voyager by JNF | Freeline by JNF

# One team, *from design to finish.*

JNF keeps design, engineering, production and finishing in one organisation, with non-polluting surface finishing and certified management systems.

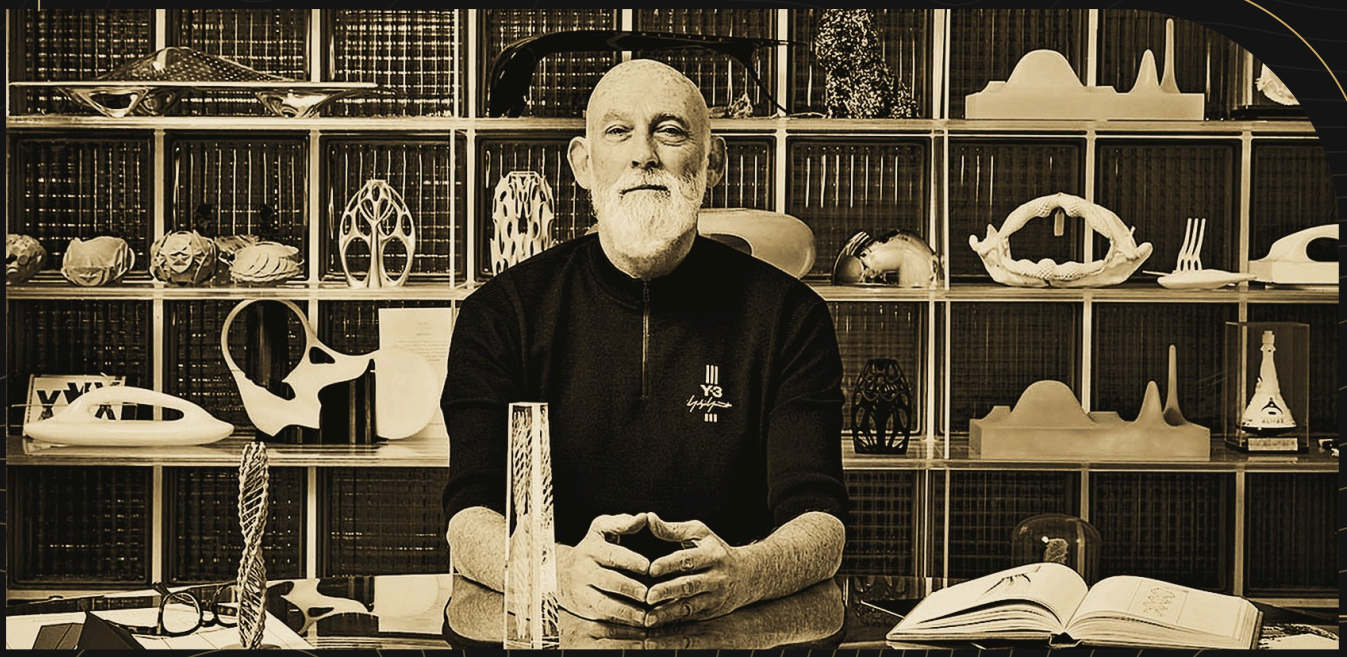
| | | |
|---|---|---|
| QUALITY | ISO 9001 | Certified since 2007 |
| ENVIRONMENT | ISO 14001 | Certified since 2015 |
| SAFETY | ISO 45001 | Certified since 2015 |
| FINISH | PVD with titanium | In-house production units since 2016 |
| DESIGN | Red Dot Design Award | 2022 |
| PACKAGING | No single-use plastic | Since 2021 |

**2003**
OWN DESIGN DEPARTMENT SINCE

**4.0**
PRODUCTION TECHNOLOGY

**25%**
OF STAFF WITH A HIGHER DEGREE





DESIGNER COLLECTION

# Ross Lovegrove *for JNF.*

Ross Lovegrove works where nature, art and technology meet. His three handle collections for JNF take their forms from fluid motion, cellular structures and organic growth, and are 3D printed in stainless steel.

## THE DESIGNER

Born in Cardiff, Wales, in 1958, Lovegrove studied at Manchester Polytechnic and the Royal College of Art. He worked at Frog Design on projects for Sony and Apple, then for Knoll in Paris, and founded his London studio in 1990. His work is held by MoMA and the Metropolitan Museum of Art in New York, the Vitra Design Museum and the Design Museum in London.

## THE COLLABORATION

Unveiled in September 2024 and presented at Dubai Design Week that November, the collection sets out to answer the growing sameness of architectural hardware. It uses metal 3D printing to make complex organic forms that still feel intuitive in the hand.

**3**
HANDLE COLLECTIONS

**316L**
STAINLESS STEEL, 3D PRINTED

**2025**
GERMAN DESIGN AWARD AND IF AWARD

# Three collections, *printed in steel.*

Each collection is made in 316L stainless steel by metal 3D printing, then machined, finished and coated by JNF.



## Architectural

A timeless design for doors of every size, with a tactile 3D printed structure.



## Aeroflow

Inspired by the aerodynamics of a bird's skeleton, optimised into a light, organic form.



## Coral Synth

Modelled on the texture and shape of coral.

### JNF HYBRID 3D TECHNOLOGY

| | | | | | |
|---|---|---|---|---|---|
| *01* | 3D printing in 316L stainless steel | *02* | CNC machining for precision | *03* | Laser welding |
| *04* | Robotic finishing of complex shapes | *05* | Hand finishing for the shine | *06* | PVD titanium coating |

### TWO FINISHES

Hero Mirror, mirror polished
Pure Grain, matte grain

### SIX COLOURS IN PVD TITANIUM

Titanium · Black · Gold · Copper · Chocolate · Champagne

SOLID | HIKARI by JNF

EXCLUSIVE AGENT · KUWAIT

# Architecture *in transparency.*



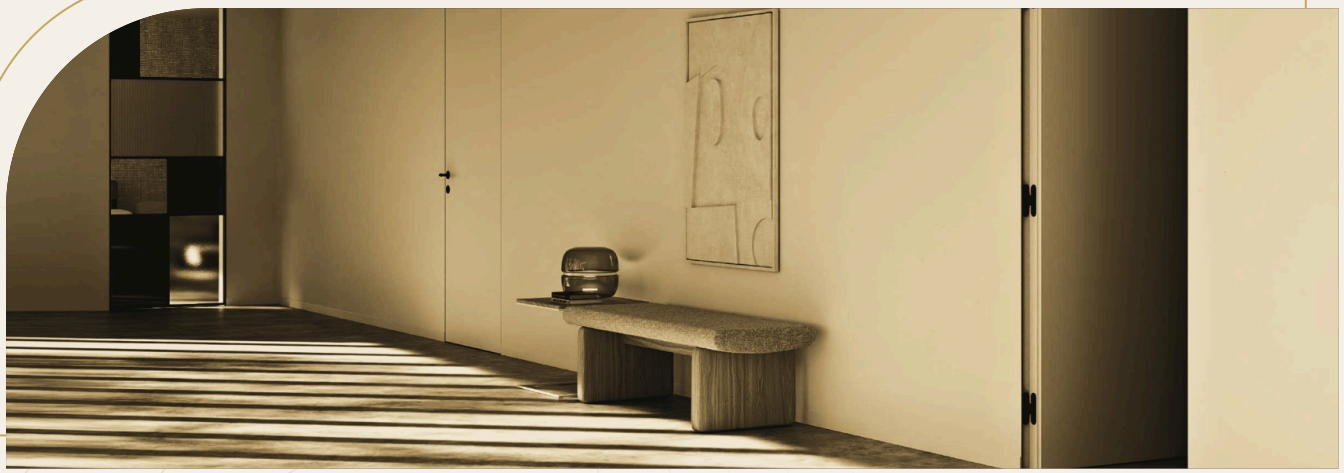
Not all spaces need to be defined by walls. Hikari by JNF is a system of minimalist aluminium frames that set interior doors flush into the wall, so that separation does not divide, but reveals the space.

| 5 | 2.7 m | 200 kg |
|---|---|---|
| RANGES | STANDARD DOOR HEIGHT | HEAVIEST DOOR LEAF |


| | | | |
|---|---|---|---|
| *01* | The collection | Five ranges, cut and fitted on site | PAGE 45 |
| *02* | Hinged doors | F200, on invisible hinges | PAGE 46 |
| *03* | Pivot doors | Hydraulic and free pivot frames | PAGE 47 |
| *04* | Lock and finishes | Magnalite magnetic lock, hinge and frame finishes | PAGE 48 |
| *05* | Skirting and fitting | Concealed skirting, pre-frame and installation | PAGE 49 |

# Five ranges, *fitted on site.*

Concealed aluminium frames for hinged and pivot interior doors, supplied as universal profiles that are cut and fitted on site, with a pre-frame and a concealed skirting to complete the wall.



| RANGE | | FOR | MAX. WIDTH | PER LEAF |
|---|---|---|---|---|
| DOOR FRAMES | Universal profiles, cut and installed on site | | | |
| F200 | Coplan Hinge | Hinged door | 1000 mm | 100 kg |
| F210 | Hydraulic Pivot | Pivot door | 1300 mm | 100 or 60 kg |
| F220 | Free Pivot | Pivot door | 1300 mm | 200 or 60 kg |
| COMPLEMENTS | To complete the wall | | | |
| F0 | Visible Frame | Pre-frame for the F200 frame | | |
| F900 | Concealed skirting | Aluminium profile, with LED lighting | 2700 mm bars | |

All door frames take a 50 mm door, up to 2700 mm high. Taller doors on request.

F200 · COPLAN HINGE · UNIVERSAL

# The door *without a frame.*

The aluminium frame is concealed in the wall, in masonry or plasterboard, and can be painted with it. The door closes flush, on invisible hinges and a magnetic lock, leaving one continuous surface.



## VERSIONS

- Full height
- With lintel
- Flat to inside
- Flat to outside
- Left or right

## IN THE SET

01 Concealed frame, paintable to match the wall

02 Clip-on aluminium covers and click-fit end caps

03 PVC seals for thermal and acoustic insulation

04 Coplan 120 invisible hinge with 3D adjustment

05 Magnetic mortise lock with concealed fixing screws

06 Adjustable spacer to assist installation, optional

## Adjustable on site

The frame is not machined. A concealed hinge receiver lets the height of the door leaf be adjusted during installation, for correct alignment.

## A continuous finish

Once the hinges are fixed, the aluminium cover is cut to size and clipped into place. Covers can take different finishes to suit the project.

| 50 mm | 2700 mm | 1000 mm | 100 kg |
|---|---|---|---|
| DOOR THICKNESS | MAX. HEIGHT | MAX. WIDTH | PER LEAF, ON FOUR HINGES |

# Pivot doors, *flush with the wall.*

For wider doors, the concealed frame takes a pivot at the head and the floor instead of hinges. The door still sits flush, to the inside or the outside, opening left or right.







## Hydraulic pivot

F210

A compact, lightweight and silent hydraulic pivot with position adjustment, for doors up to 100 kg. A smaller pivot takes doors up to 60 kg.

## Free pivot

F220

A concealed free pivot for timber doors up to 200 kg, the highest capacity in the range. A smaller pivot takes doors up to 60 kg.

| 50 mm | 2700 mm | 1300 mm | 200 kg |
|---|---|---|---|
| DOOR THICKNESS | MAX. HEIGHT | MAX. WIDTH | HEAVIEST LEAF, FREE PIVOT |




MAGNALITE · SERIES 870

# One cut-out, *three locks.*

Every Hikari door takes the Magnalite magnetic mortise lock. The same cut-out in the door accepts three lock functions, and the machining is symmetrical, so the door is reversible.

| | |
|---|---|
| MAGNETIC LATCH | A centred magnetic latch aligns precisely, for smooth, effortless closing. |
| REVERSIBLE STRIKE | The magnetic strike plate is reversible and adjusts by ±1 mm. |
| CONCEALED FIXING | No screws show on the face of the lock. |

## LOCK FUNCTIONS

- European cylinder
- Standard key
- WC

## LOCK FINISHES

- Satin stainless steel
- Titanium Gold
- Titanium Copper
- Titanium Chocolate
- Titanium Black
- White RAL 9016
- Black RAL 9005

## COPLAN HINGE FINISHES

- Silver RAL 9006
- Black RAL 9005
- White RAL 9016
- Gold
- Copper

## FRAME FINISHES

- Natural anodised
- Black anodised
- Paintable

Compatible with all JNF lever handles.

# Skirting, pre-frame *and fitting.*

F900 · CONCEALED SKIRTING

2700 mm bars, cut on site · Natural or black anodised · LED strip not supplied



## Line Classic

Concealed aluminium skirting, without lighting.



## Line Base

With a channel for a 5 mm LED strip, lighting the floor.



## Line Top

With a channel for a 5 mm LED strip above the skirting.

F0 · VISIBLE FRAME

A pre-frame for interior door frames, compatible with the F200 Universal profile.

INSTALLATION

*01* Prime the wall and the profile surfaces.

*02* Set the frame with a line laser, aligned and plumb, using spacers to hold the door width.

*03* Secure it with points of polyurethane foam.

*04* Fix it for good with resin between the wall and the profile.

*05* After drying, finish the wall. The frame can be painted in the wall colour.

STRUCTURAL OPENING WIDTH

F200 · HINGED

Door width + 80 mm

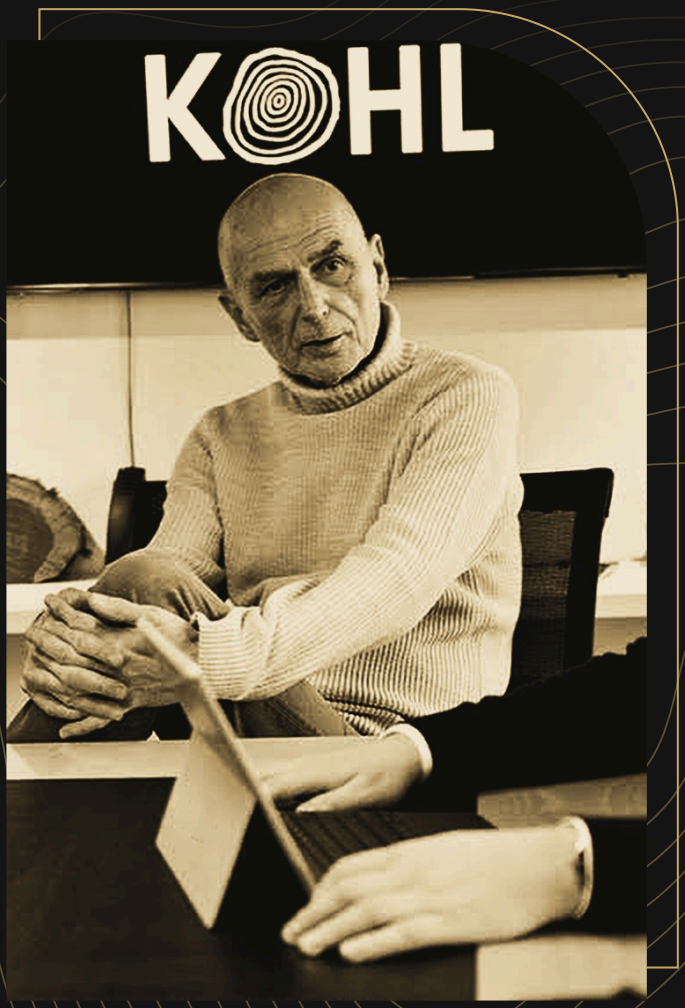
F210 · F220 · PIVOT

Door width + 82 mm

SOLID | Fritz KOHL

EXCLUSIVE AGENT · KUWAIT

# Wood, at its *finest cut.*




Fritz Kohl is a fourth-generation family business in Karlstadt, Germany, turning logs into decorative veneer since 1951. From Apple to Zebrawood, it works with well over 160 species, and no two sheets are alike.

| 1951 | 160+ | 0.5 mm |
|---|---|---|
| FOUNDED IN KARLSTADT, GERMANY | WOOD SPECIES | STANDARD VENEER THICKNESS |


| | | | |
|---|---|---|---|
| *01* | The story | Four generations of veneer, since 1951 | PAGE 51 |
| *02* | The range | Veneer, lumber and logs in over 160 species | PAGE 52 |
| *03* | Veneer making | Eight steps from log to sheet | PAGE 53 |
| *04* | Technical veneer | Wood combined with metal and light | PAGE 54 |
| *05* | In the project | Rare logs and landmark references | PAGE 55 |

# Nature's unique *pieces since 1951.*

Fritz Kohl is a family business in its fourth generation, based in Karlstadt, Germany. Its craft is to bring to light the design already hidden inside a round log, with respect for the raw material and precision at every step.



| About 100 | 3.5 million | 4,800 m³ | 9,000 m³ |
|---|---|---|---|
| EMPLOYEES | M² OF VENEER A YEAR | LUMBER A YEAR | WOOD PURCHASED A YEAR |

## FIVE VALUES BEHIND THE WORK

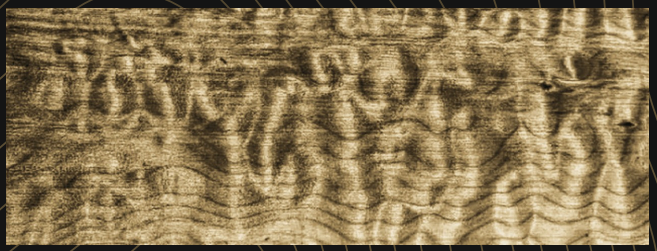
| | | |
|---|---|---|
| *01* | Respect | Employees, customers and suppliers are the heart of the company. |
| *02* | Sustainability | Working with wood brings a daily duty to conserve nature. |
| *03* | Unique aesthetic | Precise processing gives each piece of wood its own signature. |
| *04* | Quality | It begins with the raw material and ends with the customer's satisfaction. |
| *05* | Integrity | Honesty, reliability and respect towards people and the environment. |

## CERTIFIED

FSC® | PEFC | ISO 9001 · Fritz Kohl Concepts

# From Apple *to Zebrawood.*

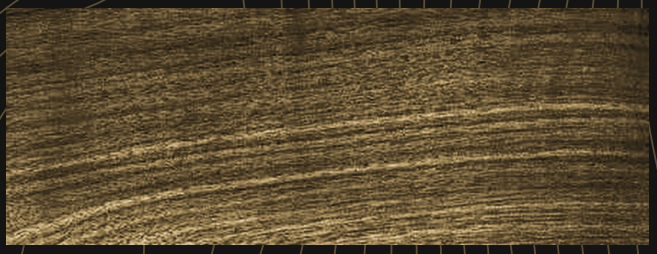
Well over 160 species are sliced into decorative veneer, in colours from warm honey to deep walnut brown and in figures from calm and even to lively and rich in contrast. Standard thickness is 0.5 mm, with 0.2 to 4 mm possible.



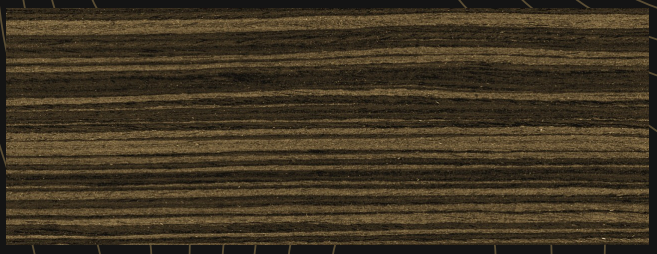
Quilted Maple



European Oak



American Black Walnut



Macassar

| | | |
|---|---|---|
| *01* | Veneer | Standard and exclusive decorative veneers, from plain to burl, crotch and pommele |
| *02* | Technical veneer | Wood combined with metal or light-conducting film, made to the client's design |
| *03* | Specials | Extraordinary veneers and one-of-a-kind logs with a history |
| *04* | Lumber | Almost every veneer species as sawn timber, in several thicknesses and cuts |
| *05* | Logs | Round logs graded and pre-sorted to the customer's wishes |

BY ORIGIN

Europe · USA and Canada · Africa · Asia · Australia

BY COLOUR

Bright · Medium · Dark

BY TEXTURE

Simple · Effective

# Eight steps, *from log to sheet.*



Slicing veneer is the most decorative and the most resource-saving way to make a real wood surface. One log gives up to 50 times more surface than the same log used as solid wood.

*01* **Preparation**
The log is assessed and trimmed. Here the veneer picture is decided.

*02* **Cooking**
From one day to one week. It softens the wood and sets its colour.

*03* **Slicing or peeling**
Heavy machinery, with knife and pressure bar set to 0.1 mm.

*04* **Cutting method**
The log is divided into flitches. The cut decides the figure.

*05* **Drying**
To about 10 to 14 % moisture, in bundles of 24 or 32 sheets.

*06* **Clipping**
Sheets are trimmed to clean rectangles on hydraulic clippers.

*07* **Grading**
Sorted by quality, from interior architecture to panel and door.

*08* **Measuring**
Each bundle is measured by photocell and photographed.

**50 ×**
MORE SURFACE THAN SOLID WOOD

**0.1 mm**
KNIFE SETTING ACCURACY

**10–14 %**
RESIDUAL MOISTURE

FRITZ KOHL CONCEPTS

# Wood 2.0, *inspired by you.*



Fritz Kohl Concepts, a subsidiary of the veneer mill, makes modern decors from real materials. Each one is made to the client's design and exact dimensions, with support from the first idea through development to series production.

## WHERE IT GOES

Car interiors · Yachts · Aircraft · Premium interiors

## THE MATERIAL MIX

### Wood

Always the core. Different species are also combined on their own, light against dark.

### Non-ferrous metals

Aluminium, brass or copper set into the veneer as lines, strips or dots.

### Plastics

Light-conducting film, so that lines and dots in the wood can be illuminated.

## DESIGNS FROM THE DEVELOPMENT

Shipdeck · Herringbone · Hexagon · Skyfall · Pouring Rain · Stairway · Horizon · Racing Flag · Fineline

Made in Germany. Fritz Kohl Concepts is certified to ISO 9001.

# A surface no one *else will have.*

No veneer sheet equals another, so every panelled wall and every door is one of a kind. The same mill supplies landmark towers, concert pianos and car interiors.



## Burj Khalifa, Dubai

290,000 m² of veneer for all 899 residences in the tower, in species such as Wenge, Santos Rosewood and Figured Maple.



## King of Eucalyptus

A single log of 17 m³, 140 cm across at the butt, sliced into 16,500 m² of figured veneer.

### ALSO FOUND IN

**Steinway & Sons**
Veneer for grand pianos, mostly from one-of-a-kind logs

**Premium car interiors**
Sycamore with aluminium, in the Shipdeck design

**Yachts and aircraft**
Technical veneers for premium interiors

### FROM THE SPECIALS

**Figured Sycamore**
3,392 m² in two lengths, every sheet perfect

**Brown Oak**
About 250 years old, from the Vosges in France

**Cedar of Lebanon**
A giant tree from Windsor Park

### GRADED FOR

Interior architecture · Wall panelling · Doors · Furniture · Musical instruments

# Eight brands, *one partner.*

Founded in 2023 and based in Kuwait, Solid began with aluminum and has delivered more than 100 projects. As exclusive agent for eight specialist international brands, it brings the envelope, the doors, the surfaces and the hardware of a project together under one accountable source, from the first consultation to after-sales care.

| 2023 | Kuwait | 100+ | 8 |
|---|---|---|---|
| FOUNDED | BASED IN | PROJECTS DELIVERED | EXCLUSIVE BRANDS |

## THE BRANDS

*01* **VistaWall**
Aluminum facades, windows and doors, since 1962

*02* **SAUC**
Minimal sliding systems and slim curtain wall

*03* **Banker+**
Architectural wire mesh, made in Wisconsin since 1896

*04* **Orientop**
Decorative glass from Hong Kong, since 1995

*05* **Projetta**
Pivot entrance doors from Brazil, up to 8.5 m tall

*06* **JNF**
Architectural hardware from Portugal, since 1965

*07* **Hikari**
Concealed frames for flush interior doors, by JNF

*08* **Fritz Kohl**
Fine wood veneer from Germany, since 1951

## HOW WE WORK

Consult | Specify | Supply | Fabricate | Install | Support

RECOGNITION

# Awarded *and certified.*

Design awards and certifications held across Solid and its family of brands.

## DESIGN AWARDS

2022
**Red Dot Design Award**
Product design

2025
**German Design Award**
Product design

2025
**iF Design Award**
Product design

2013
**Product Innovation Award**
Architectural Products

## CERTIFICATIONS

QUALITY
**ISO 9001**
Management system

ENVIRONMENT
**ISO 14001**
Management system

SAFETY
**ISO 45001**
Health and safety

FORESTRY
**FSC®**
Responsible sourcing

FORESTRY
**PEFC**
Sustainable forests

SOLID

MATERIALS SOLUTION
EXCLUSIVE AGENT · KUWAIT

EMAIL
info@kwsolid.com

WEB
www.solidmena.com

INSTAGRAM
@solid.showroom

PHONE
+965 6888 9980
+965 6669 9931

VISIT
Shuwaikh Industrial Area 1,
A5 Mall, Kuwait