

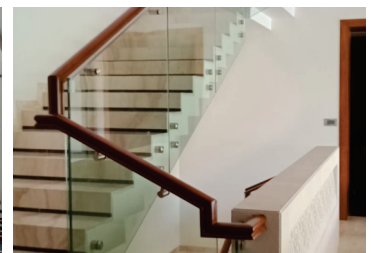
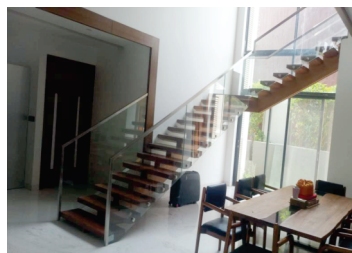
Worldclass Window & Facade Systems



Active Green Window Solutions is a pioneer in German interior and exterior technology. It fabricates and installs uPVC, wood and aluminium windows and doors, façades, entrance & internal doors, railings and kitchen sinks.

AGWS has a team of over 200 qualified professionals who take care of technical aspects like design and fabrication using state of the art infrastructure.

AGWS has successfully executed over 400 projects which include independent houses, high end villas, gated communities, schools, factories, apartments & hospitals.



Active Green Window Solutions

Associated with



Range of Doors

Elegance and functionality in steel



The one stop solution for your entire door needs!

India's leading manufacturer of doors and now part of the Hörmann group, we offer complete door solutions for the Indian residential, commercial and industrial market. With the latest in German technology, our products have found suitable applications in Home and Industry.

Established in 1935, Hörmann is Europe's number one and the world's leading supplier of doors. We have produced and delivered over 15 million doors worldwide and recognized as a brand with a reputation for high quality. All our products & services come with paradigm and underlying motto that 'A good reputation must be earned'.



Shakti Hörmann, India



Hörmann KG Amshausen, Germany



Hörmann KG Antriebstechnik, Germany



Hörmann KG Brandis, Germany



Hörmann KG Brockhagen, Germany



Hörmann KG Dissen, Germany



Hörmann KG Eckelhausen, Germany



Hörmann KG Freisen, Germany



Hörmann KG Ichttershausen, Germany



Hörmann KG Werne, Germany



Hörmann Genk NV, Belgium



Hörmann Alkmaar B.V., Netherlands



Hörmann Legnica Sp. z o.o., Poland



Hörmann Beijing, China



Hörmann Tianjin, China



Hörmann LLC, Montgomery IL, USA



Hörmann Flexon LLC, Burgettstown PA, USA

Commercial / Institutional / Industrial

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FIRE RATED DOORS

Hörmann is committed to highest standards of safety, performance, and quality. Our Fire Doors are tested, evaluated or certified as per nationally and internationally recognized standards at premier testing labs. They are tested to withstand extreme conditions for longer durations to ensure complete safety.

Design Highlights

- Available in galvanised or stainless steel.
- Label doors for 45, 60, 90, 120 and 180 minutes.
- Clear vision lite for up to 120 minutes fire rating.
- Groove frame profile for air tight sealing.
- Factory prepped to receive all types of hardware.
- High aesthetic and robust structure.
- Easy to install on a flush wall opening & dry wall partitions.
- Factory finished for primer and paint finishes.

Optional Features

Wood Grain can be provided as an optional finish.

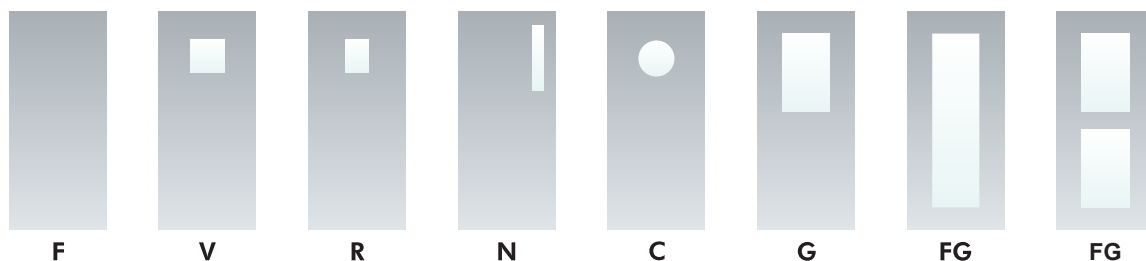
Single Source

Hormann advises door, door shutters and hardware from one source!

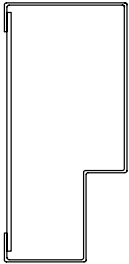


Door Elevations

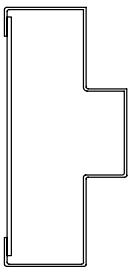
- Elevations shown below are standard.
- Vision panel sizes are based on fire rating.



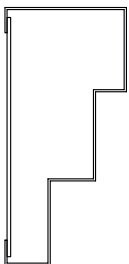
Single Rebate



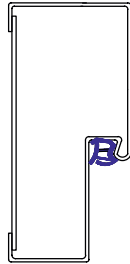
Double Rebate



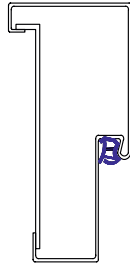
Special Profiles



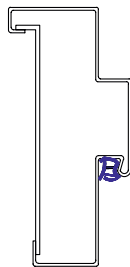
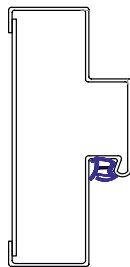
Double Egress



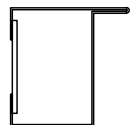
* Architrave



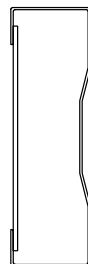
* Architrave



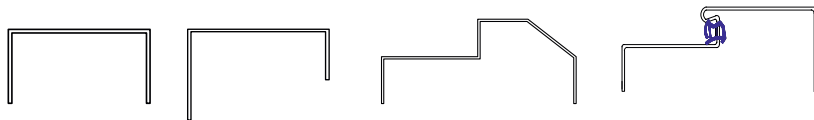
Zero Soffit



Double Swing



Thresholds



Reverse Headmembers



Variants

- Mitre joint
- Butt joint
- Welded

Options

- Architrave on one side
- Architrave on both sides

Sheet Thickness (Profile Depth)

- Up to 150mm - 1.2mm
- 151 & above - 1.6mm

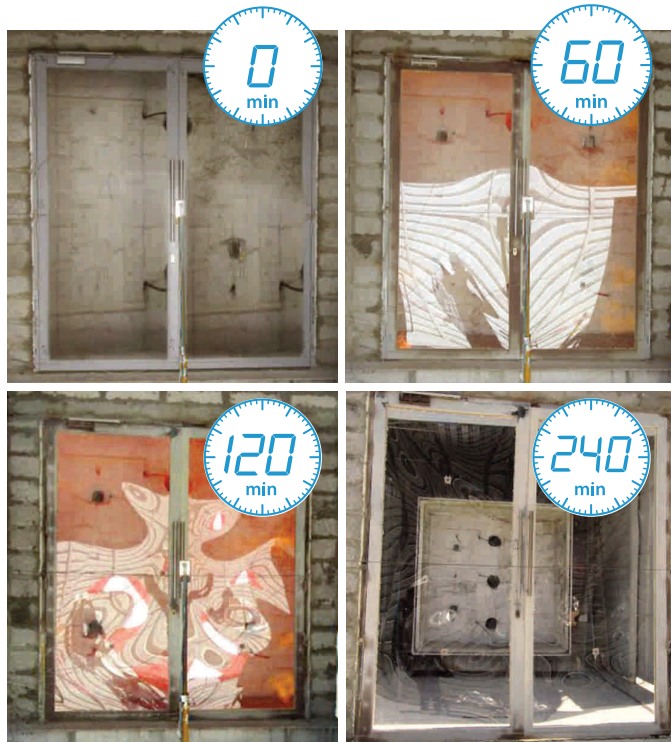
Frame Depth

- Max : 350mm
- Min : 50mm

Smoke Seal

- PVC seal for non fire rated
- EPDM gasket for fire rated





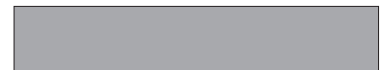
RAL colours



Oyster White RAL 1013



Light Grey 7035



White Aluminium 9006



Traffic Red 3020



Window Grey 7040



Grey Aluminium 9007



Sky Blue 5015



Clay Brown 8003



Pure White 9010



Distant Blue 5023



Chocolate Brown 8017



Traffic White 9016



Moss Green 6005



Cream 9001

Wood Finishers



Modern Walnut 115



Cherry Oak 116



Dark Mahogany 118



Natural Teak 120



Moorish Teak 123



Rose Wood 124

FULLY GLAZED FIRE RATED DOORS

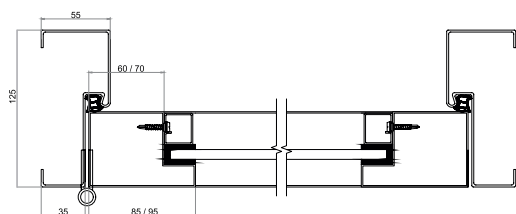
Fully Glazed Fire-rated Doors have opened new avenues for architectural creativity. Transparent and aesthetically appealing, they match up with interior/exterior glazing and integrate seamlessly with the designers' intent.

Design Highlights

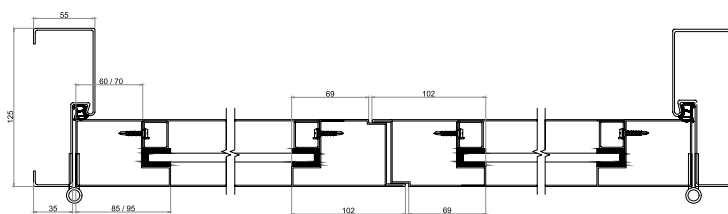
- Largest door tested in India in this category
- Slim profile with integral astragal
- Range of glasses: 8 mm, 10 mm, 11 mm, 12 mm and 14 mm
- Fire rated lock from HÖrmann in latched and unlatched
- Only manufacturer to test a door in unlatched condition
- Any Certifire approved Fire-rated Glass can be used on our glazed systems
- Types of fire glass used: Borosilicate and Inter-layered
- Tested in Warrington, UK and CBRI, India
- Toughened and frosted glass options are also available
- Non Fire-rated Door options are also available for general application.
- They provide higher strength and durability when compared to UPVC
- and Aluminium Doors



Single Door Section

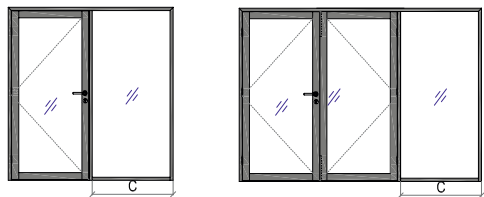


Double Door Section

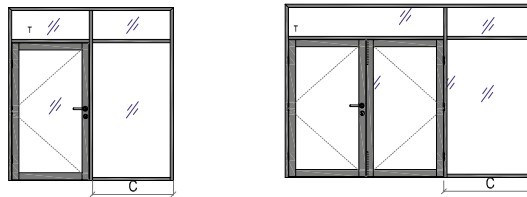


Special Sytle Options

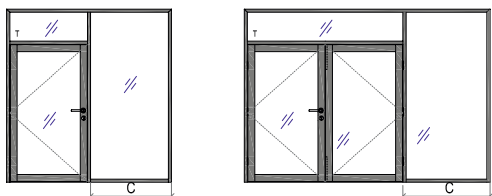
Styles A



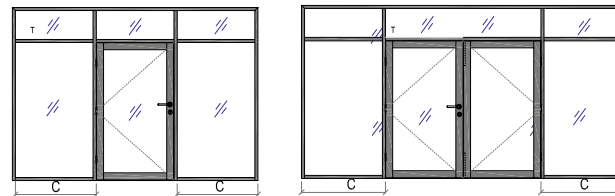
Styles E



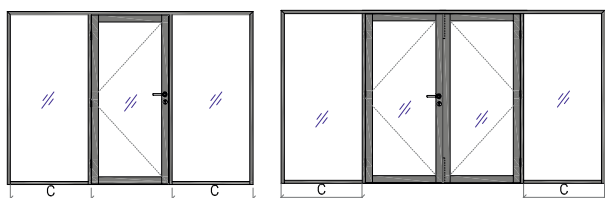
Styles B



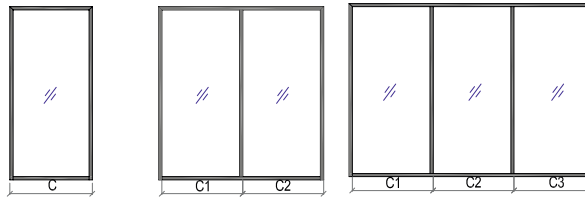
Styles F



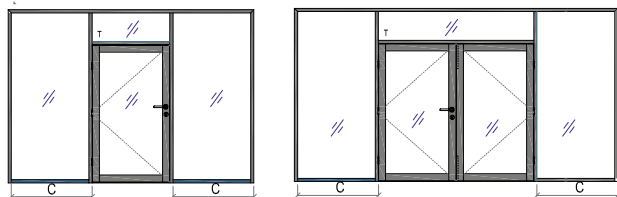
Styles C



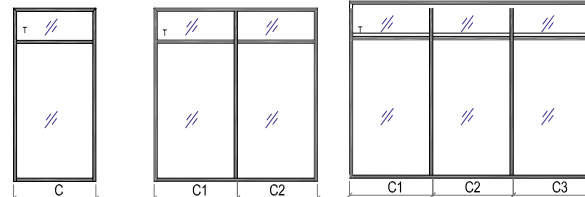
Styles G



Styles D



Styles H



RAL colours



Oyster White RAL 1013



Light Grey 7035



White Aluminium 9006



Traffic Red 3020



Window Grey 7040



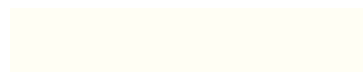
Grey Aluminium 9007



Sky Blue 5015



Clay Brown 8003



Pure White 9010



Distant Blue 5023



Chocolate Brown 8017



Traffic White 9016



Moss Green 6005



Cream 9001

HIGH SPEED DOORS

Flexible high-speed doors speed up workflows and reduce energy costs. They feature safe door operation and a long service life thanks to standard equipment with an FU control, safety light grille and SoftEdge bottom profile. In fact, they offer even more benefits: flexible high-speed doors are low-maintenance, easy to fit, costefficient and therefore economical for daily use.

Design Highlights

- Optimised processes: The high opening and closing speeds of spiral and high-speed sectional doors optimise work processes and significantly accelerate logistics processes.
- Excellent thermal insulation: The sturdy steel sections of the doors have thermal breaks and are PU-foamed.
- Reliable security: a standard light grille that is protected inside the side elements of the door.
- Uniformly foamed steel sections
- Innovative Details
- Compact design



RAL colours



RAL 1018
Zinc yellow



RAL 2004
Pure orange



RAL 3002
Carmine red



RAL 5010
Gentian blue



RAL 7038
Agate grey

ROLLER GARAGE DOOR ROLLMATIC

RollMatic roller garage doors open vertically and require minimum space inside the garage. This construction principle means you can make full use of the space inside and in front of the garage. The ceiling also remains free and can be used for lamps or as an additional storage space. The shape of the garage door opening doesn't play a role when fitting roller garage doors. A Hörmann RollMatic fits anywhere, no matter whether your garage opening is rectangular or chamfered, or has a segmental or a Norman arch.

Design Highlights

- A well-protected shaft
- Tension spring assembly with multi-spring system
- Wear-resistant bearing rings
- Standard wind locks
- Easy fitting
- Fitting compensation set
- Variable operator positions
- Tension spring cladding with vision sections
- Secured release
- Harmonious design



RAL colours



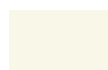
RAL 9016
Traffic white



RAL 9006
White aluminium



RAL 9005
Jet black



RAL 9001
Cream



RAL 8028
Terra brown



RAL 7035
Light grey



RAL 7016
Anthracite grey



RAL 6005
Moss green



RAL 5011
Steel blue

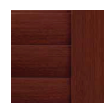
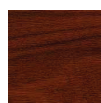


RAL 3003
Ruby red

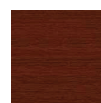
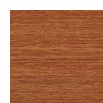


RAL 1015
Light ivory

Decograin decors



Decopaint decors



SCIENTIFIC DOORS

Scientific doors are the first choice for any commercial building to use in the clean room areas and also where the doors are routinely exposed to washing. The ideal choice for clean room needs in Pharmaceutical, Food Processing, Hospitals, Computer Server Rooms, R&D Labs, Semiconductor and Electronic Industries. These doors are factory finished and are also available in various models to suit your clean room safety requirements.

Design Highlights

- Maintenance friendly
- Designed to meet the most stringent requirements for clean room and hygiene applications
- Made from Galvanized and Stainless Steel, compact, stable and strong



LOUVERED DOORS

Louvered Doors is highly recommended where there is a need for cross-ventilation. Applications mostly are in generator rooms, swimming pools, plant rooms, boiler rooms, electrical sub stations and other commercial areas.

Design Highlights

- Uniquely designed to restrict visual contact
- Comes with flush with construction of the door endorsing security for high risk or vulnerable applications.
- Partial or fully louvered options according to your requirements.



ENTRANCE DOORS

If you would like to equip your main entrance with an attractive, high-quality door, Hörmann's entrance door is the right choice for you. The solid 65-mm-thick steel door leaf with PU rigid foam infill and the leaf profile on the inside made of composite material keep the cold out. The doors are equipped with a 5-point security lock, allowing you to feel safe and secure in your home. Choose your ideal entrance door from attractive styles and customise it with one of our preferred colours and Decograin decors.

Design Highlights

Door leaf without visible

- Doors make for an exquisite and elegant reception – whether you use them for a main or a side entrance

High thermal insulation

- With UD-values up to $1.1 \text{ W}/(\text{m}^2 \cdot \text{K})^*$, entrance doors provide excellent thermal insulation for your home

Break-in-resistant locking

- Doors are equipped with multiple-point locking as standard. The hinge side is secured with three security bolts

Safe glazing

- The 8-mm-thick laminated safety glass on the interior of the insulated glazing provides maximum security



RAL colours



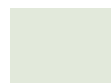
RAL 9016
Traffic white



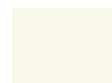
RAL 9007 Grey
aluminium



RAL 9006 White
aluminium



RAL 9002
Grey white



RAL 9001
Cream



RAL 8028
Terra brown



RAL 8003
Clay brown



RAL 7040
Window grey



RAL 7035
Light grey



RAL 7016
Anthracite grey



RAL 6005
Moss green



RAL 5014
Pigeon blue



RAL 5010
Gentian blue



RAL 3003
Ruby red



RAL 3000
Flame red

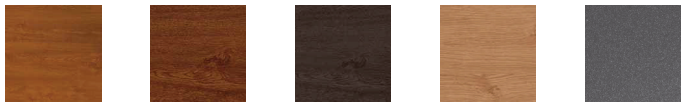


RAL 1015
Light ivory





Decograin decors



INTERNAL DOORS

Our Internal doors are crafted from the finest, toughest and meanest of material steel. International quality doors from Hörmann offer style, functionality, durability & high security standards. Multipoint locking, perfect seals, value for money, robust construction, no carpentry makes Hörmann's residential doors a one stop solution for your home.

Design Highlights

Up to 49 % improved thermal insulation

- Our security doors are the right choice for you. It provides up to 49 % better thermal insulation than conventional multi-purpose doors

Break-in-resistant RC 2 security equipment

- Security doors are fire-rated security door and are available with approved, break-in-resistant security equipment as standard

Individual Designs

- You can choose between various colours and decors as well as glazings.

Steel profile frame

- We offer high resistance and an elegant shape without visible foldback coupled with the fitting principle of timber frames.



Types of Internal doors

- Wood Decor
- Graintech
- Embossed
- Safety door
- Seamless

Wood Decor

Made from high quality PVC laminated steel with elegant wood finish patterns on the surface.

Applications:

- Entrance
- Internal / Bedroom Utility
- Toilet

Frame profile (With provision for seal):

Standard: 125x60mm

With Architrave: 125x60x75mm

*Frames available only in RAL colors

Size Limitations: Wall opening (W x H)

Min - 900 × 2050mm

Max - 1100 × 2200mm

Infill: Honeycomb

Material: Galvanized Steel (GI)

Shutter Thickness: 46mm

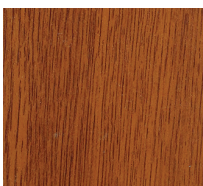
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Rebated threshold

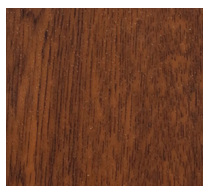
Profile threshold



Finishes:



Golden Oak



Dark Oak

Embossed

Made of high definition six panel embossed design which gives the look and feel of a wooden panelled door. Available in factory paint finish and are easy to install at site.

Applications:

- Entrance
- Internal / Bedroom Utility

Frame profile (With provision for seal):

Standard: 125×60mm

With Architrave: 125×60×75mm

Size Limitations: Wall opening (W×H)

Min - 900 × 2050mm

Max - 1100 × 2200mm

Infill: Honeycomb

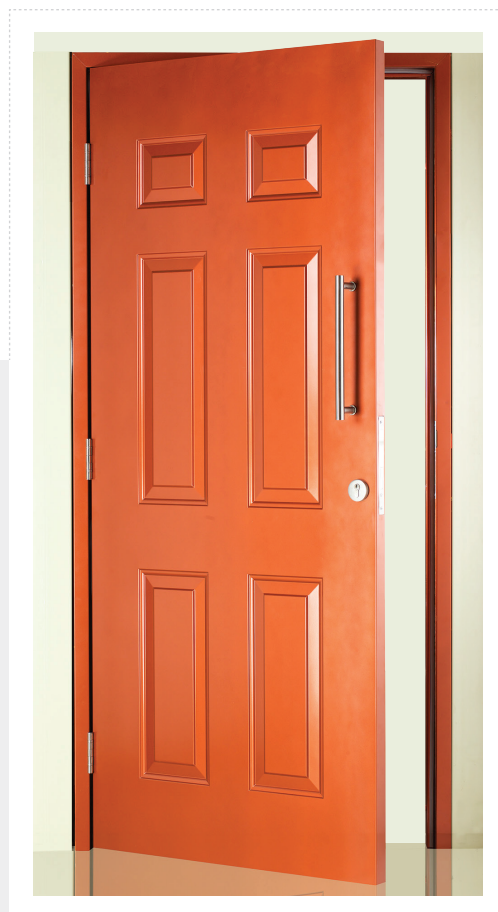
Material: Galvanized Steel (GI)

Shutter Thickness: 46mm

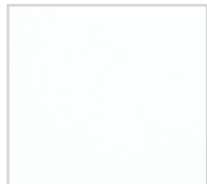
Optional:

Rebated threshold

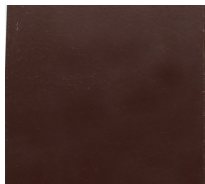
Profile threshold



Finishes:



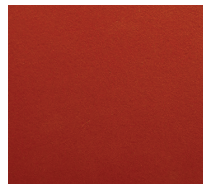
RAL 9016
Traffic White



RAL 8028
Terra Brown



RAL 9002
RAL Cream



RAL 2013
Pearl Orange



RAL 7040
Window Grey



RAL 6005
Moss Green

Graintech

Graintech Doors with its grained surface gives the touch and feel of wood. Unique combination of material and surface finishes can be a suitable and robust alternative for wooden doors.

Applications:

- Entrance
- Internal / Bedroom Utility
- Toilet

Frame profile (With provision for seal):

Standard: 125×60mm

With Architrave: 125×60×75mm

Size Limitations: Wall opening (W×H)

Min - 750 × 2050mm

Max - 1200 × 2400mm

Infill: Honeycomb/Rockwool

Material: Galvanized Steel (GI)

Shutter Thickness: 46mm

Fire Rating: Available as an option

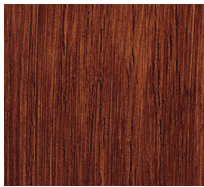
Optional:

Rebated threshold

Profile threshold



Finishes:



Dark
Mahogany



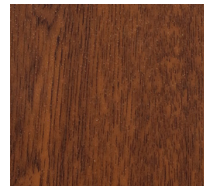
Natural Teak



Moorish
Teak



Light Teak



Dark Oak

Safety Door

Safety Doors are designed to meet the security parameters of entrance doors and are a perfect balance between style and security. Twin combination of a flush door opening inside and a grill door opening outside offer both security and convenience as a package.

These specially designed safety doors are factory finished, maintenance free, provide safety, long lasting and eco-friendly.

Applications:

- Entrance
- Back of house

Frame profile (With provision for seal):

Combination Frame: 200x60mm

With Architrave: 200x60x75mm

Size Limitations: Wall opening (W×H)

Min - 1000x2050mm

Max - 1200x2400mm

Infill: Honeycomb

Material: Galvanized Steel (GI)

Shutter Thickness: 46mm

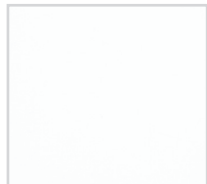
Optional:

Rebated threshold

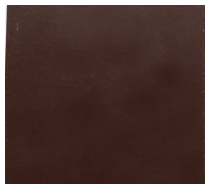
Profile threshold



Finishes:



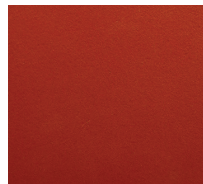
RAL 9016
Traffic White



RAL 8028
Terra Brown



RAL 9002
RAL Cream



RAL 2013
Pearl Orange



RAL 7040
Window Grey



RAL 6005
Moss Green

GARAGE DOOR

Sectional doors open vertically upwards and are suspended under the ceiling to save space. This construction principle means you can make full use of the space inside and in front of the garage. In addition, sectional garage doors can be fitted in any garage opening and offer up to 14 cm more passage width than up-and-over doors. They are also optimally sealed with flexible and weather-resistant seals on all four sides.

Design Highlights

- A harmonious overall appearance
- Matching appearance of frames and door leaves
- Flush-fitting fascia panels
- Detailed Decograin surface finishes
- Optimum long-term protection
- Efficient thermal insulation
- More security
- Convenient querying of the door position



PERIMETER PROTECTION SYSTEM - BOLLARDS

Highly-specialised factories develop and produce industrial doors, operators, loading technology and perimeter protection systems that are marked by excellent quality, functional safety and a long service life.

Our wide range of bollards with different functions, road blockers, lift barriers and tyre killers, through to complete control concepts make us a strong, future-oriented partner for perimeter protection systems.

Design Highlights

Compact, flexible fitting: For bollards with an integrated hydraulic perator, all the functional components are installed in the bollard unit.

Matching bollard versions: The cylinders of all bollards have a matching appearance, allowing for a customized combination of Security and High Security Line bollards.

Security fast in case of emergency: Individual control concepts: Complete control concepts, e.g. comprising multiple bollards, can be operated using a single control.

Individual control concepts: Complete control concepts, e.g. comprising multiple bollards, can be operated using a single control.

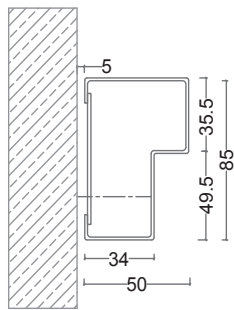


Types of Bollards

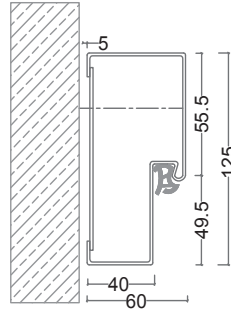
- Automatic bollards
- Semi-automatic bollards
- Removable bollards
- Fixed bollards

TECHNICAL

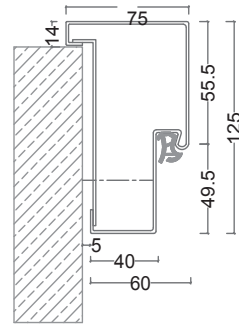
Frame Profile



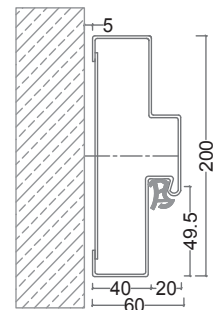
Standard: 85x50mm



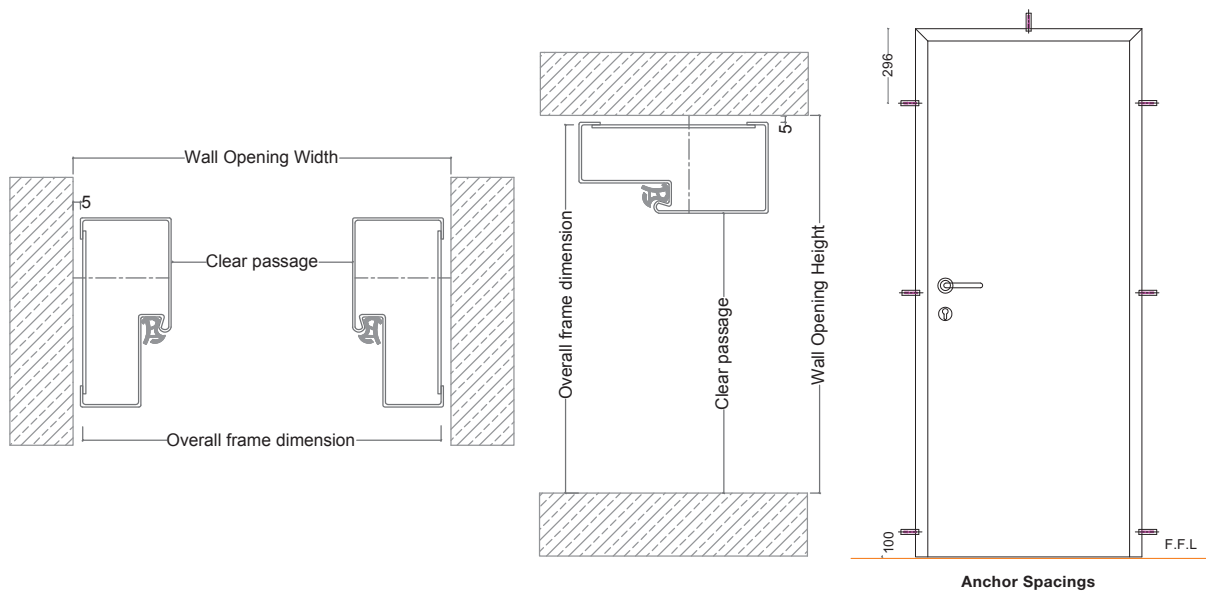
Standard: 125x60mm



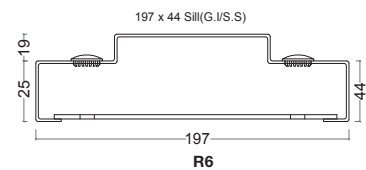
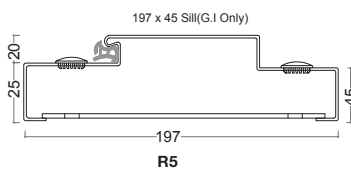
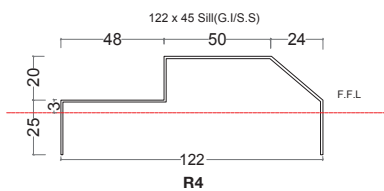
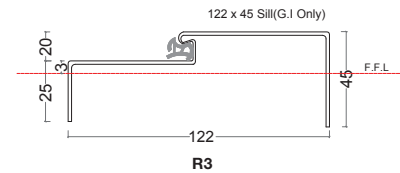
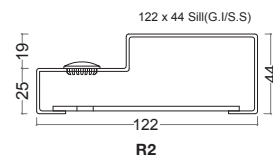
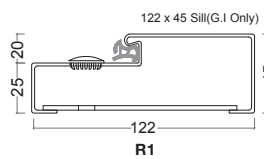
Architrave: 125x60x75mm



Standard: 200x60mm



Profile Thresholds



Door Sizes

Standard wall opening sizes

• Yes - No

Standard Width x Height (mm)		Standard frame sizes			Wood décor Series	Embossed Series	Wood Grain Series	Chroma Series	Seamless Series	Rail & stile	Safety Entrance
Wall opening	Frame opening										
				(1)							(1)
750 x 2050	740 x 2045	125 x 60	85 x 50	-	-	-	•	•	•	•	-
750 x 2100	740 x 2095				-	-	•	•	•	•	-
750 x 2200	740 x 2195				-	-	•	•	•	•	-
750 x 2400	740 x 2395				-	-	•	•	•	•	-
900 x 2050	890 x 2045	125 x 60	-	-	•	•	•	•	•	•	-
900 x 2100	890 x 2095				•	•	•	•	•	•	-
900 x 2200	890 x 2195				•	•	•	•	•	•	-
900 x 2400	890 x 2395				-	-	•	•	•	•	-
1000 x 2050	990 x 2045	125 x 60	-	200 x 60	•	•	•	•	•	•	•
1000 x 2100	990 x 2095				•	•	•	•	•	•	•
1000 x 2200	990 x 2195				•	•	•	•	•	•	•
1000 x 2400	990 x 2395				-	-	•	•	•	•	•
1100 x 2050	1090 x 2045	125 x 60	-	200 x 60	•	•	•	•	•	•	•
1100 x 2100	1090 x 2095				•	•	•	•	•	•	•
1100 x 2200	1090 x 2195				•	•	•	•	•	•	•
1100 x 2400	1090 x 2395				-	-	•	•	•	•	•
1200 x 2050	1190 x 2045	125 x 60	-	200 x 60	-	-	•	•	•	•	•
1200 x 2100	1190 x 2095				-	-	•	•	•	•	•
1200 x 2200	1190 x 2195				-	-	•	•	•	•	•
1200 x 2400	1190 x 2395				-	-	•	•	•	•	•

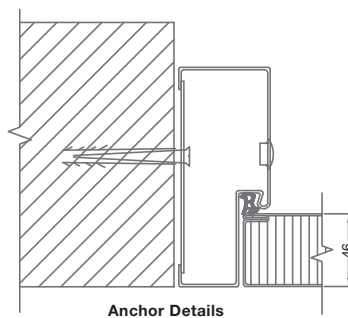
*Architrave

- a. Architrave frame will be 125 x 60 x 75mm on push side
- b. Architrave available only on push side

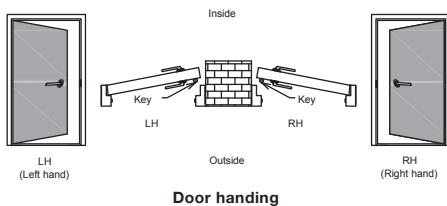
(1) Safety Entrance Door System

- a. Available only in wood grain and chroma series
- b. Architrave on safety door is on the grill side
- c. Does not include safety grill, which has to be provided locally.

Anchor Details, Door Handing and Wall Measurement

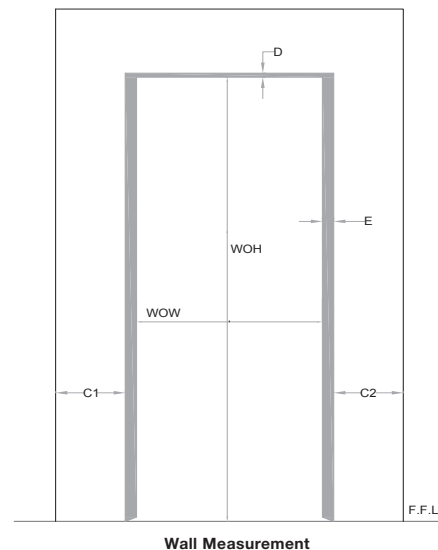


Anchor Details



Door handing

WOW - Wall opening width
 WOH - Wall opening height
 C1 & C2 - Side room clearance
 D - Lintel depth
 E - Wall depth



Note: All other options of architrave are special and needs confirmation from factory for supply and anchoring details

DOOR HARDWARE AND ACCESSORIES

HINGES



Stainless Steel Ball Bearing
Butt Hinge 4x3x3mm



Stainless Steel Ball Bearing
Butt Hinge 4.5x4x3.4mm

LOCKS

Fire Rated Locks



Mortise Sashlock H8
BS 65 mm



Mortise Sashlock H9
BS 65 mm



Mortise Deadbolt H4
BS 55 mm



Narrow Profile Sash Lock H5
BS 35 mm



Narrow Profile Dead Lock H6
BS 35 mm



Narrow Profile Sash Lock
BKS 40

ZK Series



H1 - ZK

Mortise Sash Lock
with Steel Latch & Deadbolt H1-ZK
BS 55 mm



H2 - ZK

Mortise Sash Lock
with Nylon Latch & Deadbolt H2-ZK
BS 55 mm



H3 - ZK

WC Lock
with Nylon Latch & Nylon Deadbolt H3-ZK
BS 55 mm



Multipoint Lock KFV



Mortise Shaft Lock H7
BS - 57 mm

Handles



D Type Handle



H Type Handle



Offset Type Handle
600 mm

LEVER HANDLES



LT 001

Stainless Steel
Lever Handle Lt001



LT 002

Stainless Steel
Lever Handle Lt002



NL 0011

Narrow Profile
Lever Handle NL 001



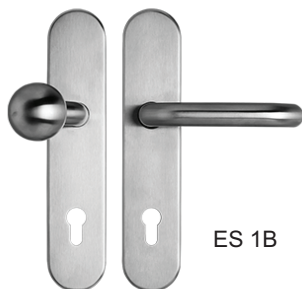
WC Indicator
TT 010



Narrow Profile
Escutcheon

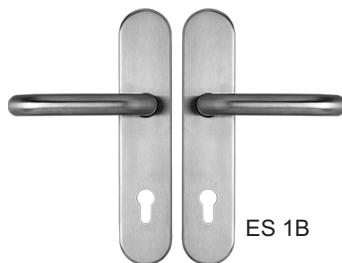


Escutcheon ES 001



ES 1B

Stainless Steel
Lever Handle X Knob -ES1B



ES 1B

Stainless Steel
Lever Handle X Lever Handle -ES1B



SPARTA

Polished Chrome
Lever Handle
for Multipoint lock ERA

Polymide Lever Handles



HR 2-B



Lever Handles
with Roses & Escutcheons Black



HR 2-R



Lever Handles
with Roses & Escutcheons Red



HP 1- FB



Lever Handle
(FD)



Polymide Lever
Handle with Roses & Indicator Black HR3-B



Polymide WC lever Handles with Back plate
Thumbturn & Indicator black HP3-B

* Available in other colours

PANIC DEVICES

Modular Series



Panic Device 1211 Series
Single Point
Two Point



Panic Device XDB 5760 SV
Single Point

5000 series



Panic Device XDB 5120 SV
Two Point



Panic Device
External Trim

DOOR CLOSERS



Door Closer HDC03
EN 3



Door Closer HDC35
EN -3 - 5



Concealed Door Closer
EN - 2 - 4

EURO PROFILE CYLINDERS



5702

Euro Profile Cylinder
with Both Side Key



5701

Euro Profile Cylinder
with One Side Key & One Side Thumbturn



5451

Euro Profile Half Cylinder with Key

ACCESSORIES



Floor Stop



Wall Stop



Door Guard



Eye Viewer



Signage Male



Signage Female



Signage Disabled



Utility Threshold



Threshold Rebated



Auto Door Bottom



Stainless Steel
Push Plate



Lever Action
Flush Bolt

INSTALLATION PROCESS

- Loose frames to be assembled as single frame at site
- Level checking
- Screwing the frame to the door
- Grouting (Foam filling) optional
- Shutter fixing
- Fixing of hardware and handles
- Testing and adjustments if required



