



FLUSH DOORS
FIRE DOORS
ACOUSTIC DOORS
SCIENTIFIC DOORS
FULLY GLAZED DOORS
ARCHITECTURAL PARTITIONS

DOORS

SIGNUM[®]

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SIGNUM

LuxeSteel™

Elegance of wood united with Strength of Steel

LUXESTEEL DOORS FOR RESIDENCES

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	Frame: 1.0 mm (20 guage) Shutter: 0.9 mm (22 guage)
Frame Profile	100 x 50 mm, 175 x 57 mm (for Outside Grill/ Security Door)
Shutter Thickness	40 mm
Fire Rating Testing Standards	30 Minutes, 60 Minutes, 120 Minutes as per IS 3614 and BS 476 Part 22
Sound Rating	upto 25 dB
Standard Sizes	900 x 2100 mm (3ft x 7ft) 1000 x 2100 mm (3ft 3" x 7ft) 1000 x 2400 mm (3ft 3" x 8ft) 1200 x 2100 (4ft x 7ft) 1200 x 2400 (4ft x 8ft)
Accessories Included	Hinges, Mortise Door Lock with lever handle, Tower Bolt, Eye Viewer, Door Stopper
Options	Outside Grilled Door for Safety in same Frame, Threshold for bottom

Other sizes possible, please ask sales representative



Mechanically
Tough



No Borers,
termites, pests



Fire Resistant



100% Recyclable
& Eco-Friendly
Certified by IGBC



Wooden Finishes

Burma Teak



Flamed Walnut



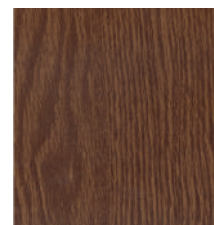
White Cedar



Red Oak



Wenge



Refer page 25 for detailed technical specifications of product

STEEL FLUSH DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.0,0.8 1.2,0.8 1.2,1.0 1.5,1.2 2.0, 1.5 mm or as per choice
Frame Profile	90 x 50 mm, 100 x 57 mm, 125 x 60 mm, 143 x 57 mm etc. as per choice
Shutter Thickness	40 mm 46 mm as per choice
Infill Materials	Honeycomb, Mineral Wool, Steel stiffened
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Outside Grill Safety Door for safety in same frame, Threshold for bottom/ 4-sided frame, Transom/ Side panels
Locks	Mortise lock with lever handle and bolt, Cylindrical lock, bathroom lock with occupancy indicator
Vision Glass	Size as per choice Float, Toughened Frosted
Louvers	Size as per choice Inverted V shape for air transfer and increased privacy
Others	Surface/ Concealed Door Closers, Pull Handles, Eye viewer, Door Stopper, Safety Chain, Tower bolts, Safety Grill in door

Details given are for standard product, customization possible, please ask sales representative



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



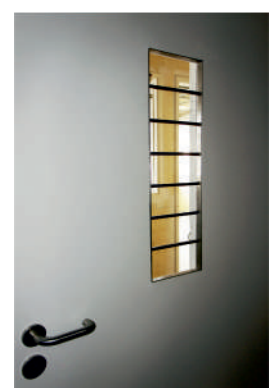
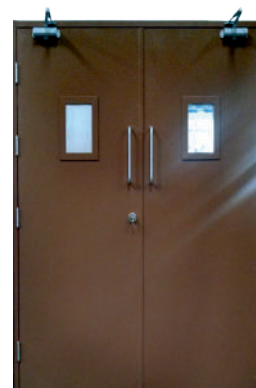
RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative



Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

HONEYCOMB TIMBER FLUSH DOORS

APPLICATION AREAS

RESIDENCES | HOSPITALS | COMMERCIAL SPACES | IT PARKS | MALLS | HOTELS | MASS TRANSIT STATIONS | WAREHOUSES

ADVANTAGES OVER SOLID CORE TIMBER DOORS

Materials used in SIGNUM Honeycomb Timber Flush door are Eco Friendly | Lightweight | No bending, warping even in monsoons
No borers, termites, pests | Great for interiors

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel, Timber
Sheet Thickness for Steel Frame	1.0, 1.2, 1.5, 2.0 mm, as per choice
Frame Profile	90 x 50 mm, 100 x 50 mm, 125 x 60 mm, 143 x 57 etc. as per choice
Shutter Construction	Timber rails and stiles with honeycomb infill sandwiched between fibre boards with edge banding
Shutter Thickness	35 mm
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2400 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise lock with lever handle and bolt, Cylindrical lock, bathroom lock with occupancy indicator
Vision Glass	Size as per choice Float, Toughened Frosted
Steel Louvers	Size as per choice Inverted V shape for air transfer and increased privacy
Others	Surface/ Concealed Door Closers, Pull Handles, Eye viewer, Door Stopper, Safety Chain, Tower bolts
Finish	Laminated Shutter with matching frame colour, PVC edge band on all four shutter edges, Metal vision glass beading with matching colour



Only shutter without frame is also available

Details given are for standard product, customization possible, please ask sales representative

Refer page 25 for detailed technical specifications of product⁵

30 MIN STEEL FIRE DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.0 mm for frame, 0.9 mm for shutter
Frame Profile	100 x 57 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability & integrity
Shutter Thickness	40 mm
Infill Materials	Honeycomb
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm thick Fire Rated Clear Glass, 6.0 mm thick
Louvers	Auto-close louver, with fusible link which close in case of fire
Others	Smoke seals, Auto Door Bottom Seals, Intumescent Strips, Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

60 MIN STEEL FIRE DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.0 mm for frame, 0.9 mm for shutter
Frame Profile	100 x 57 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability & integrity
Shutter Thickness	40 mm
Infill Materials	Honeycomb
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm thick Fire Rated Clear Glass, 6.0 mm thick
Louvers	Auto-close louver, with fusible link which close in case of fire
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

60 MIN STEEL FIRE DOORS

with Stability, Integrity and 60 Min Insulation

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.2 mm for frame, 1.0 mm for shutter
Frame Profile	140 x 65 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity and insulation all for 60 minutes
Sound Rating	upto 35dB
Shutter Thickness	45 mm
Infill Materials	Proprietary infill materials
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Glass, 6.0 mm thick
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

120 MIN STEEL FIRE DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.0 mm for frame, 0.9 mm for shutter
Frame Profile	143 x 57 mm, 100 x 57 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability & integrity
Shutter Thickness	48 mm $\pm$ 2 mm
Infill Materials	Honeycomb Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm thick Fire Rated Clear Glass, 6.0 mm thick
Louvers	Auto-close louver, with fusible link which close in case of fire
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



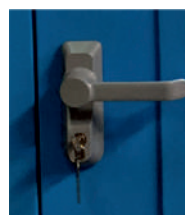
RAL 1003



RAL 4005



RAL 6028



Wooden Finishes also possible

Other colours possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

Details given are for standard product, customization possible, please ask sales representative

120 MIN STEEL FIRE DOORS

with Stability, Integrity and 30 Min Insulation

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.2 mm for frame, 1.2 mm for shutter
Frame Profile	125 x 55 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity and 30 min insulation
Sound Rating	upto 40 dB
Shutter Thickness	50 mm $\pm$ 2 mm
Infill Materials	Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2400 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Glass, 6.0 mm thick
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



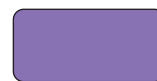
RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

120 MIN STEEL FIRE DOORS

with Stability, Integrity and 120 Min Insulation

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.5 mm for frame, 1.2 mm for shutter
Frame Profile	140 x 65 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity and insulation all for 120 minutes
Sound Rating	upto 40 dB
Shutter Thickness	60 mm $\pm$ 2 mm
Infill Materials	Proprietary infill material
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Glass, 6.0 mm thick
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



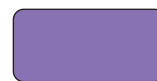
RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

SHAFT DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.0 mm for frame, 0.9 mm for shutter
Frame Profile	100 X 57 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability & integrity
Shutter Thickness	As per Fire Rating
Infill Materials	Honeycomb
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Locks	Shaft Lock Bolt with common key
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm thick Fire Rated Clear Glass, 6.0 mm thick
Others	Flush Handle, Pull Handles, Flush/Tower Bolts, Key Box



FINISHES



RAL 9010



RAL 5005



RAL 7035



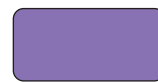
RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Refer page 25 for detailed technical specifications of product



180 MIN STEEL FIRE DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.5 mm for frame, 1.2 mm for shutter
Frame Profile	143 x 57 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability & integrity
Sound Rating	upto 35 dB
Shutter Thickness	60 mm $\pm$ 2 mm
Infill Materials	Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Glass, 6.0 mm
Louvers	Auto-close louver, with fusible link which close in case of fire
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

180 MIN STEEL FIRE DOORS

with Stability, Integrity and 180 Min Insulation

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	2.0 mm for frame, 1.5 mm for shutter
Frame Profile	150 x 95 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity and insulation all for 180 minutes
Sound Rating	upto 40 dB
Shutter Thickness	60 mm $\pm$ 2 mm
Infill Materials	Proprietary infill materials
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Glass, 6.0 mm
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

240 MIN STEEL FIRE DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	2.0 mm for frame, 1.5 mm for shutter
Frame Profile	150 x 95 mm
Fire Rating Standards and Certifications	As per IS 3614 Part 2, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability & integrity
Sound Rating	upto 35 dB
Shutter Thickness	90 mm $\pm$ 2 mm
Infill Materials	Proprietary infill materials
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Glass, 6.0 mm
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



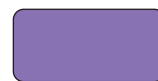
RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

30 MIN TIMBER FIRE DOORS

with Stability, Integrity and 30 Min Insulation

TECHNICAL BRIEF

Material	Hardwood, Maranti, Teak, Beech, etc.
Frame Profile	110 x 55 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity & insulation all for 30 minutes
Sound Rating	upto 30 dB
Shutter Thickness	45 mm $\pm$ 2 mm
Infill Materials	Proprietary infill material sandwiched between two non combustible boards
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2400 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm, Fire Rated Clear Glass, 6.0 mm
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.
Finishes	Painted frame and shutter Painted frame with laminated shutter Polished frame with Veneered shutter



Steel Frames with Timber Shutters possible

Details given are for standard product, customization possible, please ask sales representative

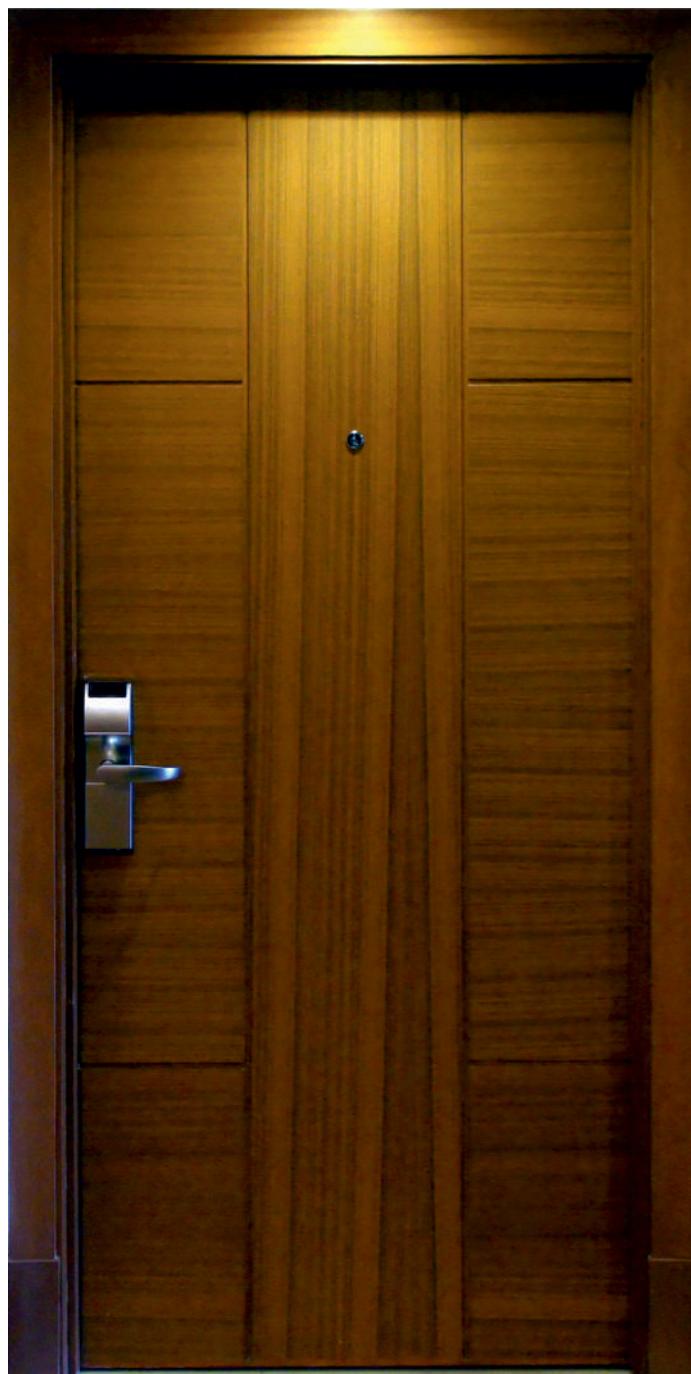
Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

60 MIN TIMBER FIRE DOORS

with Stability, Integrity and 60 Min Insulation

TECHNICAL BRIEF

Material	Hardwood, Maranti, Teak, Beech, etc.
Frame Profile	110 x 65 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity & insulation all for 60 minutes
Sound Rating	upto 30 dB
Shutter Thickness	50 mm $\pm$ 2 mm
Infill Materials	Proprietary infill material sandwiched between two non combustible boards
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2400 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm, Fire Rated Clear Glass, 6.0 mm
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.
Finishes	Painted frame and shutter Painted frame with laminated shutter Polished frame with Veneered shutter



Steel Frames with Timber Shutters possible

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

120 MIN TIMBER FIRE DOORS

with Stability, Integrity and 120 Min Insulation

TECHNICAL BRIEF

Material	Hardwood, Maranti, Teak, Beech, etc.
Frame Profile	120 x 70 mm
Fire Rating Standards and Certifications	As per IS 3614, BS 476 Part 22, tested at CBRI, CPRI and NABL approved Laboratory for stability, integrity & insulation all for 120 minutes
Sound Rating	upto 35 dB
Shutter Thickness	60 mm $\pm$ 2 mm
Infill Materials	Proprietary infill material sandwiched between two non combustible boards
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2400 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Fire Rated Clear Wired Glass, 6.0 mm, Fire Rated Clear Glass, 6.0 mm
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.
Finishes	Painted frame and shutter Painted frame with laminated shutter Polished frame with Veneered shutter



Steel Frames with Timber Shutters possible

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

49 dB ACOUSTIC STEEL DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.5 mm frame and 1.2 mm shutter
Frame Profile	150 x 75 mm
Shutter Thickness	75 mm
Sound Rating	upto 49 dB as per ASTM E-90/ ISO 10140-2 AND ASTM E-413, tested at ARAI, Pune
Fire Rating	upto 120 Minutes
Infill Materials	Proprietary sound and thermal insulating materials sandwiched together
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame
Locks	Mortise Sash lock with lever handle and bolt, Mortise Dead lock with bolt, Panic Exit Devices & Trims
Vision Glass	Hermetically sealed Double Glazed Unit (DGU), Toughened, Fire Rated Clear Glass
Others	Pull Handles, Surface/ Concealed Door Closers, Door Stopper, Safety Chain, Flush/ tower bolts etc.



Details given are for standard product, customization possible, please ask sales representative

FINISHES



RAL 9010



RAL 5005



RAL 7035



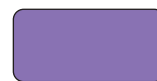
RAL 3001



RAL 8016



RAL 1003



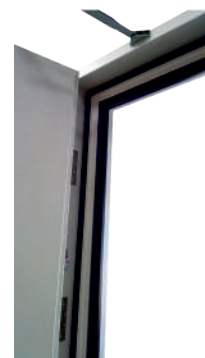
RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative



Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

49 dB ACOUSTIC TIMBER DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel for Frame, Hardwood for Shutter
Sheet Thickness	1.5 mm for frame
Frame Profile	150 x 75 mm
Shutter Thickness	75 mm
Sound Rating	upto 49 dB as per ASTM E-90/ ISO 10140-2 AND ASTM E-413, tested at ARAI, Pune
Fire Rating	upto 120 Minutes
Infill Materials	Proprietary sound and thermal insulating materials sandwiched together
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame
Locks	Mortise Sash lock with lever handle and bolt, Mortise Dead lock with bolt, Panic Exit Devices & Trims
Vision Glass	Hermetically sealed Double Glazed Unit (DGU), Toughened, Fire Rated Clear Glass
Others	Pull Handles, Surface/ Concealed Door Closers, Door Stopper, Safety Chain, Flush/ tower bolts etc.
Finishes	Painted frame and shutter Painted frame with laminated shutter Painted frame with Veneered shutter

Details given are for standard product, customization possible, please ask sales representative



CLEAN ROOM STEEL DOORS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel
Sheet Thickness	1.0 mm for frame, 0.9 mm for shutter
Frame Profile	143 x 57 mm for walls 50 x 57 mm for panels
Shutter Thickness	48 mm $\pm$ 2 mm
Infill Materials	Honeycomb Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Fire Rating	Upto 120 Minutes
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Cylindrical lock, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Flush Glass Panes from both sides of shutter, Float Toughened
Louvers	Auto-close louver, with fusible link which close in case of fire
Others	Pull Handles, Door Stopper, Flush/tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

GENERAL AND FIRE RATED FULLY GLAZED STEEL DOOR

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel, Stainless Steel
Sheet Thickness	1.5 mm for frame, 1.5 mm for shutter
Frame Profile	50 x 60 mm
Shutter Rail & Stile Profile	80 x 60 mm Vertical stiles and top rail, 110 x 60 bottom rail
Shutter Thickness	60 mm $\pm$ 2 mm
Infill Materials	Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Options	Threshold for bottom/ 4-sided frame, Transom/ Side Panels
Fire Rating	E180 EW120 I24 180 Minutes Fire Rating with 24 Minutes Insulation
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Float, Toughened for General Doors Fire Rated Clear Glass 6 mm to 14 mm for Fire Rated Doors
Others	Pull Handles, Door Stopper, Flush/ tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

GENERAL AND FIRE RATED FULLY GLAZED STEEL PARTITIONS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel, Stainless Steel
Sheet Thickness	1.5 mm for frame, 1.5 mm for shutter
Frame Profile	50 x 60 mm
Shutter Rail & Stile Profile	80 x 60 mm Vertical stiles and top rail, 110 x 60 bottom rail
Shutter Thickness	60 mm $\pm$ 2 mm
Fire Rating	Upto 180 Minutes
Sound Rating	upto 35 dB
Infill Materials	Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Float, Toughened for General Doors Fire Rated Clear Glass 6 mm to 14 mm for Fire Rated Doors
Others	Pull Handles, Door Stopper, Flush/tower bolts etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

Wooden Finishes also possible

Other colours possible, please ask sales representative

Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

PANELLED PARTITIONS

TECHNICAL BRIEF

Material	Cold Rolled, Galvanized Steel, Stainless Steel
Sheet Thickness	1.5/1.2 mm 2.0/1.5 mm
Frame Profile	143 x 57 mm 150 x 95 mm
Panel Thickness	48 mm, 60 mm $\pm$ 2
Fire Rating	Upto 180 minutes
Sound Rating	upto 35 dB
Infill Materials	Honeycomb Mineral Wool
Maximum leaf width and height for single leaf	Width upto 1200 mm Height upto 2500 mm
Locks	Mortise Sash Lock with lever handle, Mortise Sash Lock with lever handle and bolt, Mortise Dead lock with bolt, Panic Exit Devices & Trims
Door Closer	Surface Mounted Concealed Door Closer
Vision Glass	Float, Toughened for General Doors Fire Rated Clear Glass 6 mm to 14 mm for Fire Rated Doors
Others	Pull Handles, Door Stopper, Flush/tower bolts, Aldrop etc.



FINISHES



RAL 9010



RAL 5005



RAL 7035



RAL 3001



RAL 8016



RAL 1003



RAL 4005



RAL 6028

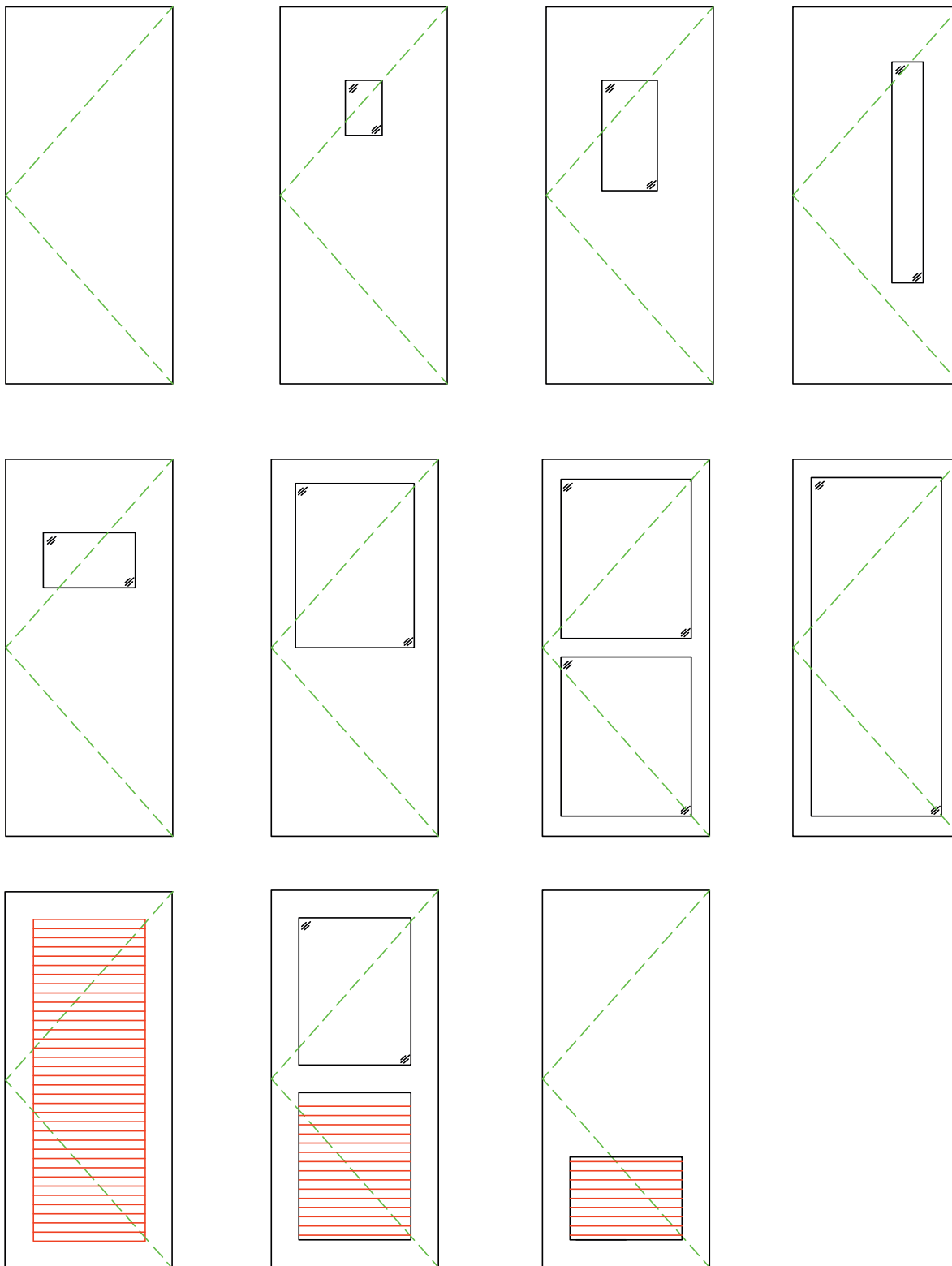
Wooden Finishes also possible

Other colours possible, please ask sales representative

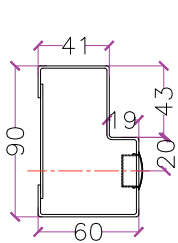
Details given are for standard product, customization possible, please ask sales representative

Larger sizes possible with transoms/ side panels etc., refer page 25 for detailed technical specifications of product

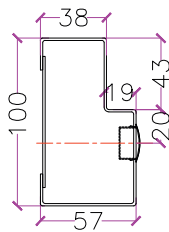
DOOR ELEVATIONS



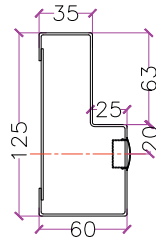
STEEL FRAME PROFILES



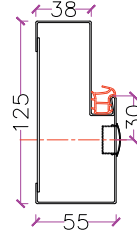
90 x 60 mm
Single Rebate



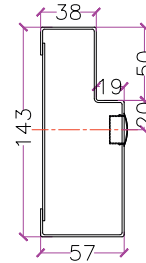
100 x 57 mm
Single Rebate



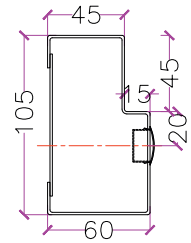
125 x 60 mm
Single Rebate



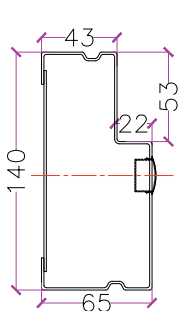
125 x 55 mm
Single Rebate
Grooved Profile



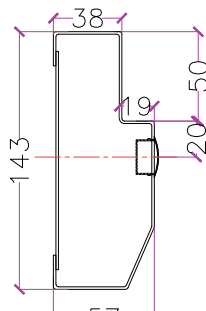
143 x 57 mm
Single Rebate



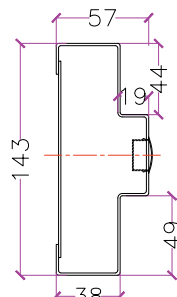
105 x 60 mm
Single Rebate
Profile B as
per IS 4351



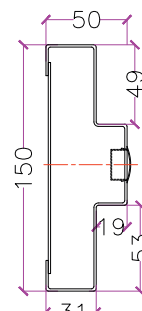
140 x 65 mm
Single Rebate



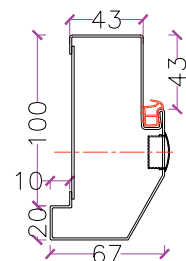
143 x 57 mm
Single Rebate



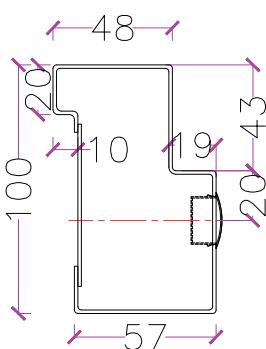
143 x 57 mm
Double Rebate



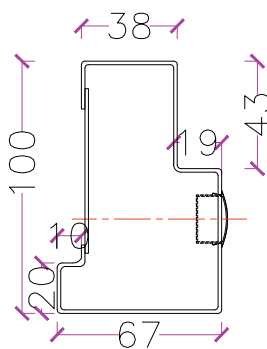
150 x 50 mm
Double Rebate



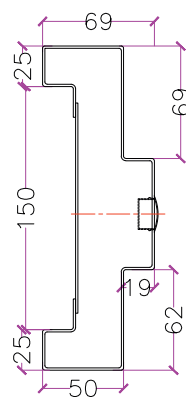
100 x 57 mm
Single Rebate
Grooved Profile
with Angle &
Architrave on
Push Side



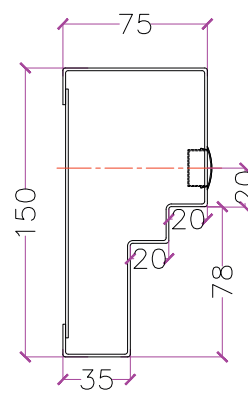
100 x 57 mm
Single Rebate
with Architrave
on Pull Side



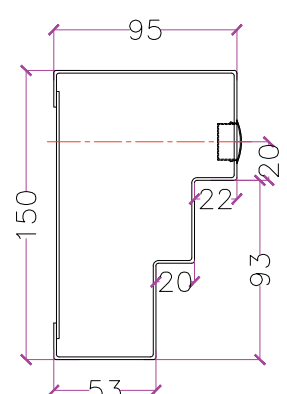
100 x 57 mm
Single Rebate
with Architrave
on Push Side



200 x 69 mm
Double Rebate
with Double
Architrave

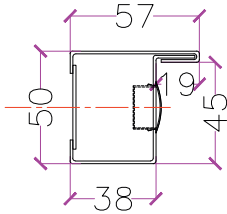


150 x 75 mm
Triple Rebate

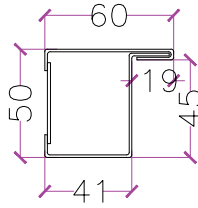


150 x 95 mm
Triple Rebate

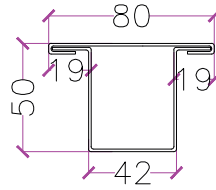
STEEL FRAME PROFILES



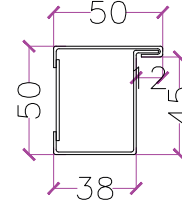
50 x 57 mm
Slim Profile



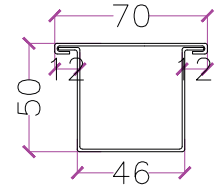
50 x 60 mm
Slim Profile



50 x 80 mm
Slim Profile

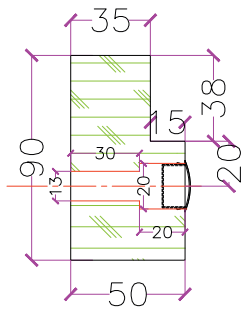


50 x 50 mm
Slim Profile

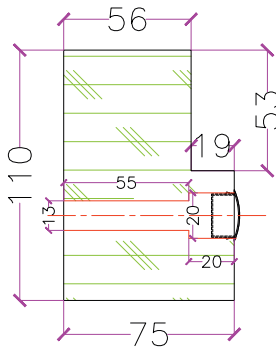


50 x 70 mm
Slim Profile

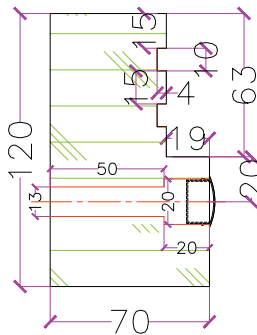
TIMBER FRAME PROFILES



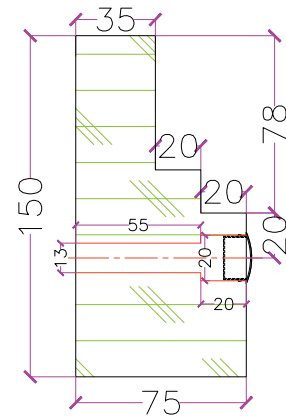
90 x 50 mm
Single Rebate



110 x 75 mm
Single Rebate

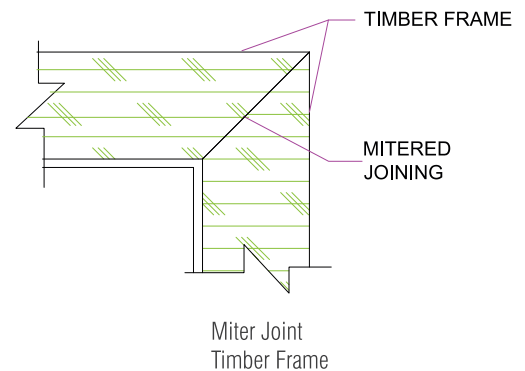
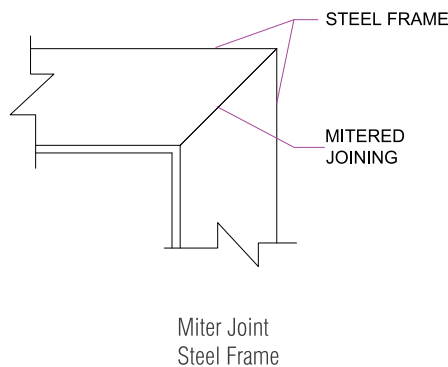
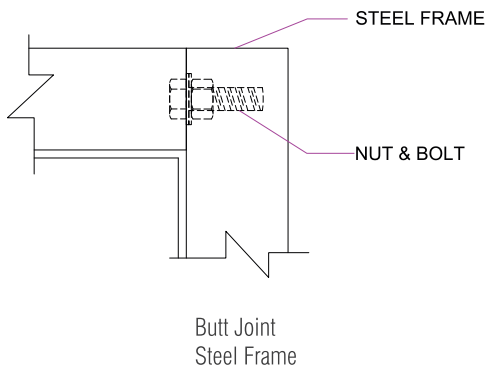


120 x 70 mm
Single Rebate

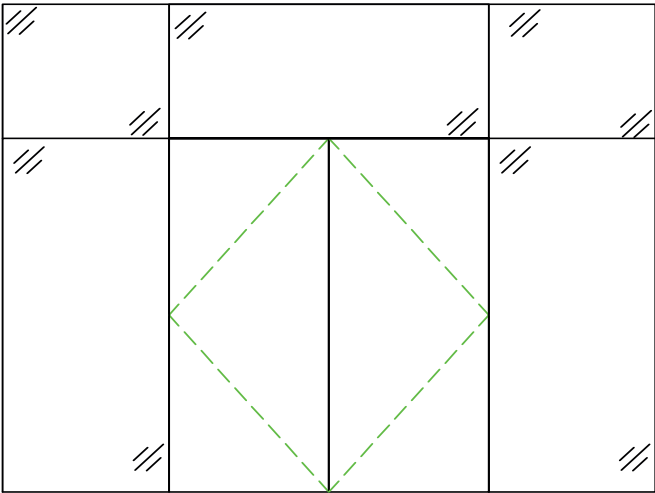
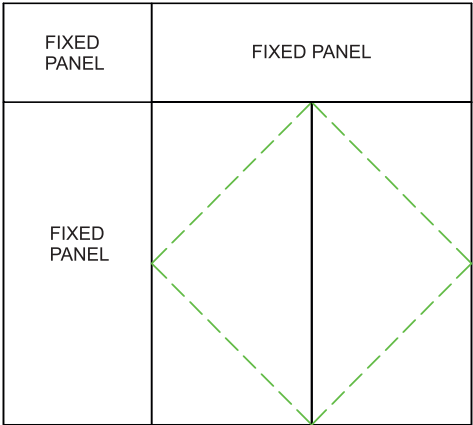
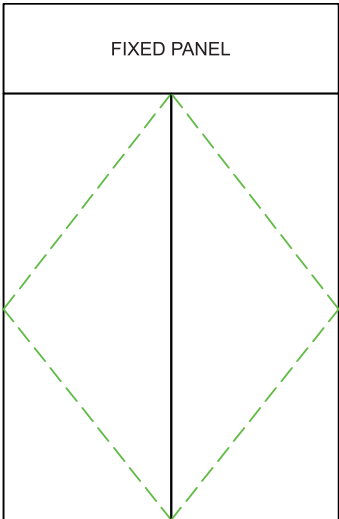
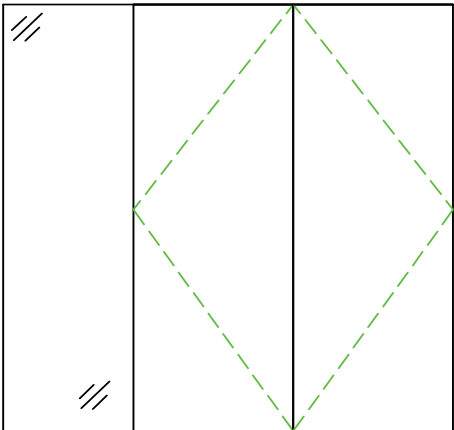
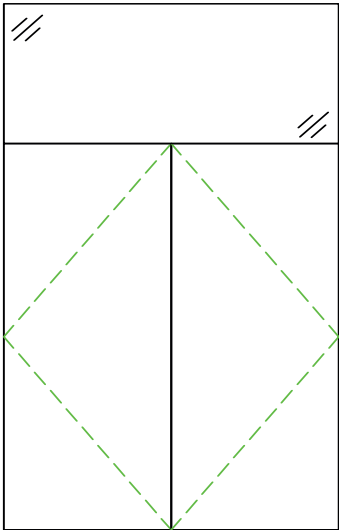
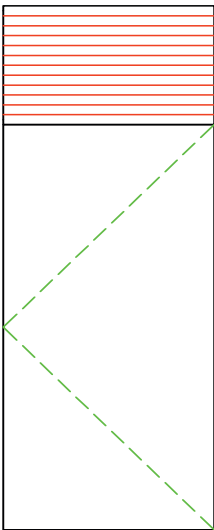
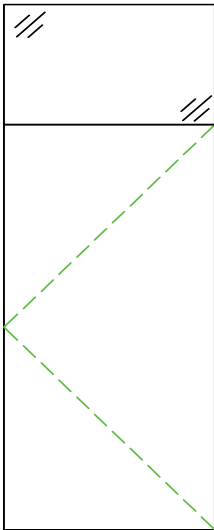


150 x 75 mm
Triple Rebate

FRAME CORNERS

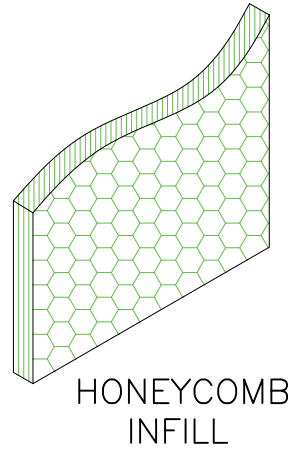
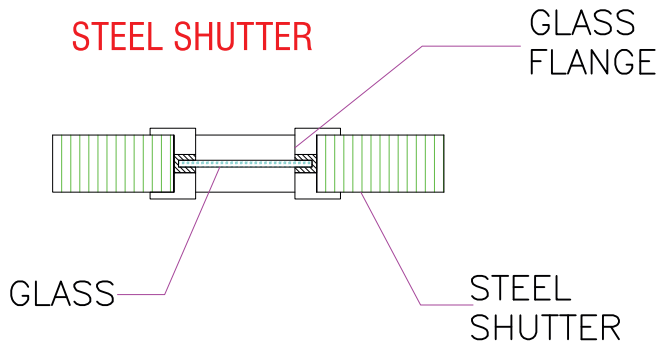


PARTITION ELEVATIONS

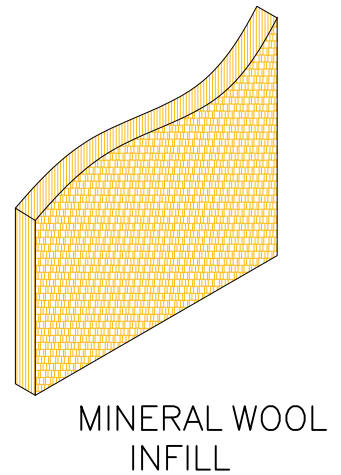
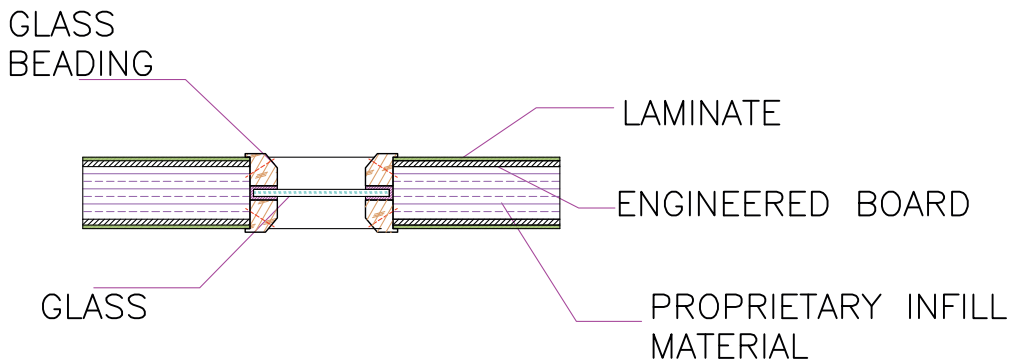


SECTION VIEWS

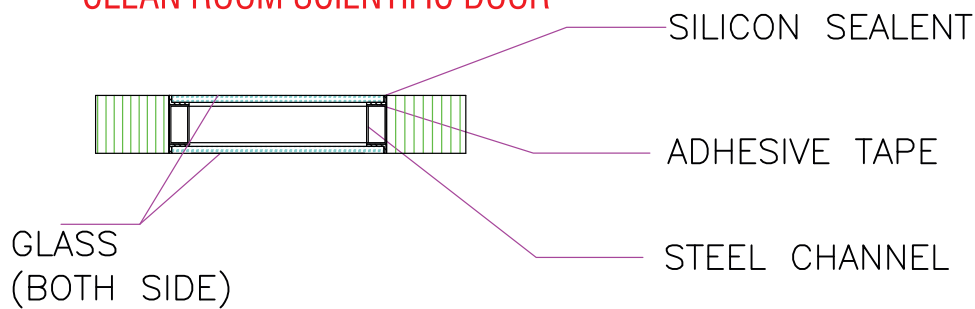
STEEL SHUTTER



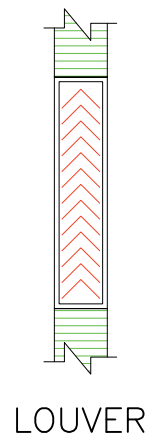
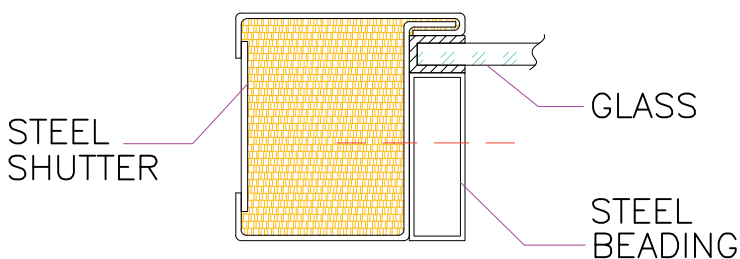
TIMBER SHUTTER



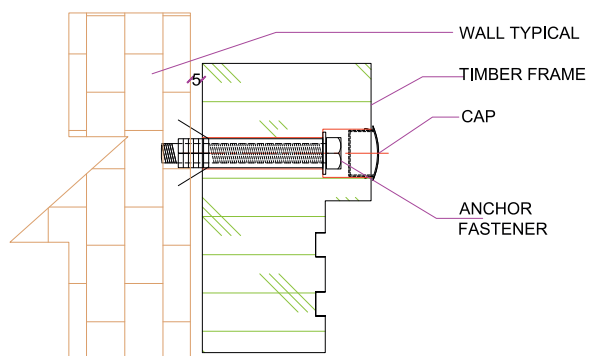
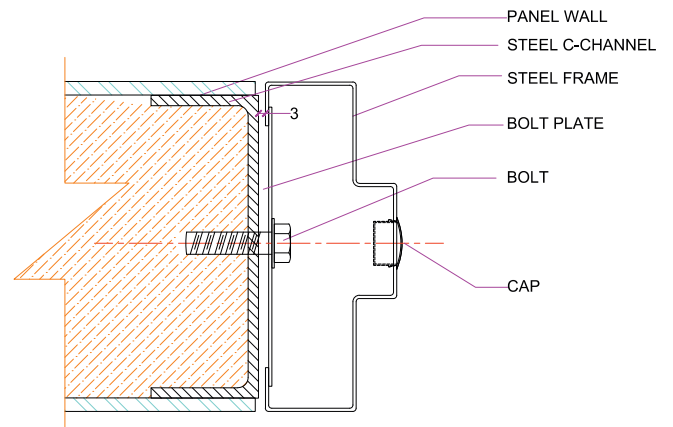
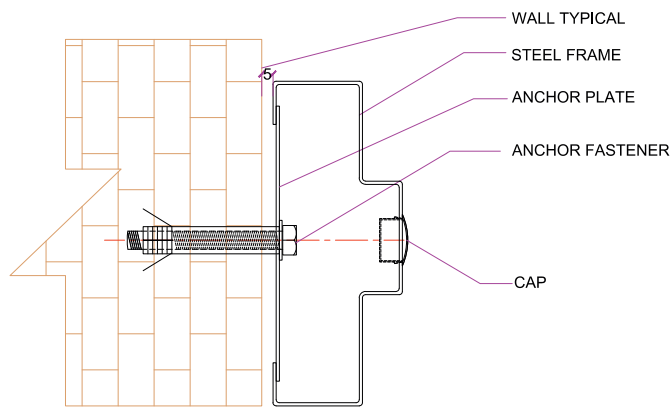
CLEAN ROOM SCIENTIFIC DOOR



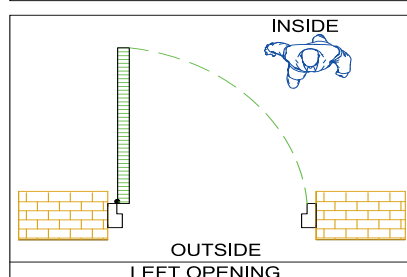
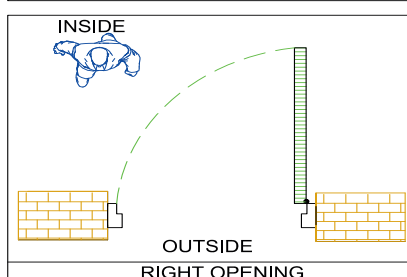
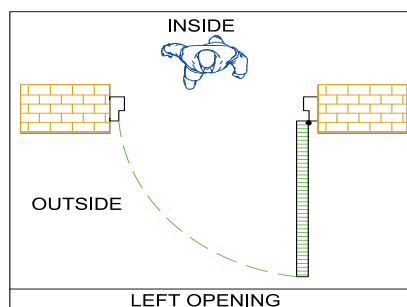
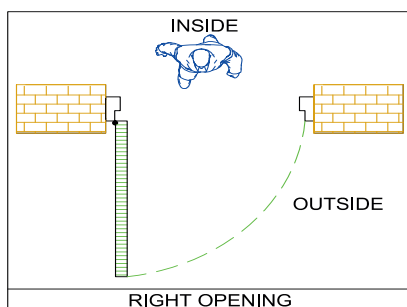
FULLY GLAZED STEEL SHUTTER



WALL ANCHORING DETAILS



DOOR OPENING DIRECTION



Details given are for standard product, customization possible, please ask sales representative

RAL SHADES



RAL 9016 Traffic White



RAL 9010 Pure White



RAL 9001 Cream



RAL 5005 Signal Blue



RAL 7035 Light Grey



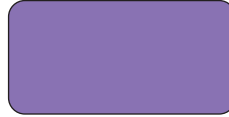
Aluminium Silver



RAL 1003 Signal Yellow



RAL 8001 Ochre Brown



RAL 4005 Blue Lilac



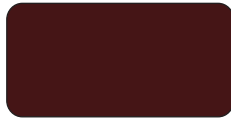
RAL 3001 Signal Red



RAL 4003 Heather Violet



RAL 6028 Pine Green

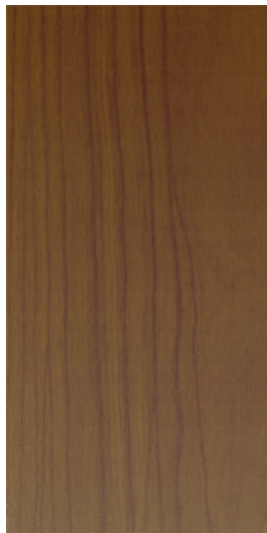


RAL 8016 Mahogany Brown

WOOD FINISHES FOR STEEL DOORS & FRAMES



Burma Teak



Flamed Walnut



White Cedar



Red Oak



Wenge

**FOR TIMBER SHUTTERS ANY LAMINATE/ VENEER CHOICE IS POSSIBLE WITH
FRAME PAINTED/ POLISHED TO MATCH THE LAMINATE/ VENEER**

IS 3614



CM/L 7400058111

**SIGNUM ISI MARKED DOORS ARE CERTIFIED FOR QUALITY
BY THE BUREAU OF INDIAN STANDARDS**



**SIGNUM DOORS ARE CERTIFIED ECO-FRIENDLY BY THE
INDIAN GREEN BUILDING COUNCIL**

Quality Assurance

Signum is certified for its quality systems according to **ISO 9001:2015** standards by TUV India Pvt. Ltd., a member of internationally known TUV NORD GROUP.

Quality Assurance Plan (QAP) and Manufacturer's Certificate of Conformity/ Test Certificate (MTC) for all Signum Products is available upon request.

Recommended Application Areas

Residences, Commercial Spaces, IT Parks
Hospitals, Hotels
Multiplexes, Banks, Department Stores
Airports, Metro Railway Stations
Thermal, Nuclear, Hydro Power Projects
Govt. buildings - Embassies, Administrative offices
Military Installations - Hangars, Shipyards, Administrative offices
Industries - Cement factories, Godowns, other factories
Steel Plants, Coal Mines, Paper & Saw Mills, Petrochemical Plants, Explosive Manufacturing units

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ISI MARKED DOORS



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