

**D**SCY™  
**DOOR**



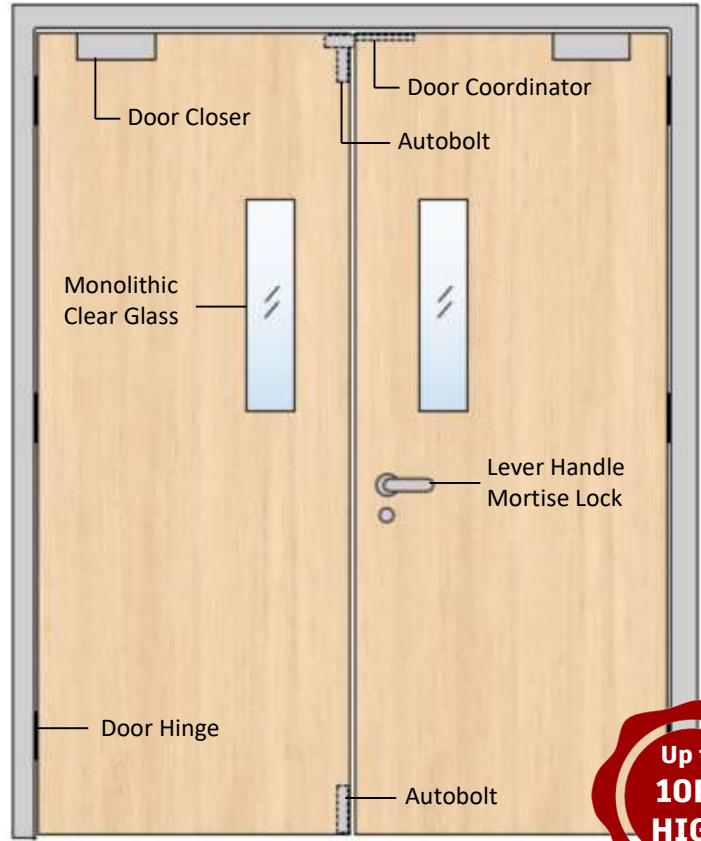
**THE INNOVATIVE  
FIRE DOOR SOLUTIONS**

## PRODUCT SPECIFICATIONS



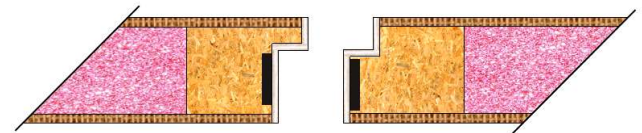
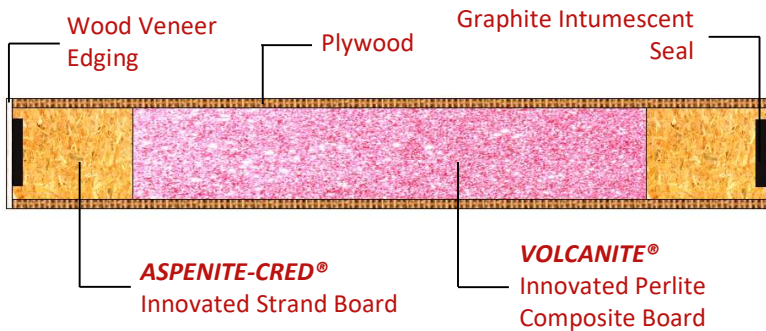
**Up to 10FT HIGH**

**Single Leaf**  
Maximum Frame Size :  
1220mm (w) x 3048mm (h)



**Up to 10FT HIGH**

**Double Leaf**  
Maximum Frame Size :  
2438mm (w) x 3048mm (h)



**Double Leaf Meeting Stile**

	1 HOUR RATING	2 HOUR RATING
Heat Insulation Rating	Up to 69 mins	Up to 86 mins
Door Integrity Rating	> 69 mins	> 150 mins
Door Frame Material	1.2mm thick Electro-Galvanised Steel / Fingerjoint Hardwood Timber	1.2mm thick Electro-Galvanised Steel
Door Thickness	± 43mm	± 55mm
Door Weight	Approx. 25kg/m <sup>2</sup> or 550kg/m <sup>3</sup>	Approx. 37kg/m <sup>2</sup> or 670kg/m <sup>3</sup>
Door Surface Finishes	Bare Plywood / Groove Lines / High Pressure Laminate (HPL) / Veneer Plywood	
Door Edge Finishes	Wood Veneur / PVC / ABS	

## KEY FEATURES

### Veneer Finished Door Edge (Even for 2HR Rating)

- ☑ Fire seal not visible (covered beneath the veneer finishing)
- ☑ Easier to spray paint/varnish
- ☑ No more timber lipping
- ☑ No more metal capping

### Screw-On Hinge System on Metal Door Frame

- ☑ Easier door installation
- ☑ Aesthetically pleasing (compared to conventional slot-in and welded method)

### 3 Hinges Per Door Leaf

- ☑ Lighter door weight and durable hinge allow the design of 3 hinges only (even for 3 meter high door)
- ☑ Easier door installation

### TOZUKA® SUS304 Hinges with 2 Ball Bearings (2BB)

- ☑ Greater durability

### ASPENITE-CRED®

#### Innovated Strand Board Door Framework

- ☑ No issue of warping or swelling
- ☑ Ensure straightness of door
- ☑ **Formaldehyde-free material**
- ☑ FSC certified green material

### VOLCANITE®

#### Innovated Perlite Composite Board Core

- ☑ Lighter weight
- ☑ **Formaldehyde-free material**
- ☑ FSC certified green material

### TOZUKA® Power Size 3 Door Closer with Back Check

- ☑ Lighter door weight allows the usage of smaller size door closer (even for 3 meter high door)
- ☑ Better cost saving

### Up to 3 Meter (10 Feet) Overall High

- ☑ Cater for all possibilities

### VISIONREX® Monolithic Clear Glass Vision Panel

- ☑ High resistance to heat, scratch and abrasion
- ☑ Aesthetically pleasing (compared to conventional Georgian Wired Glass)

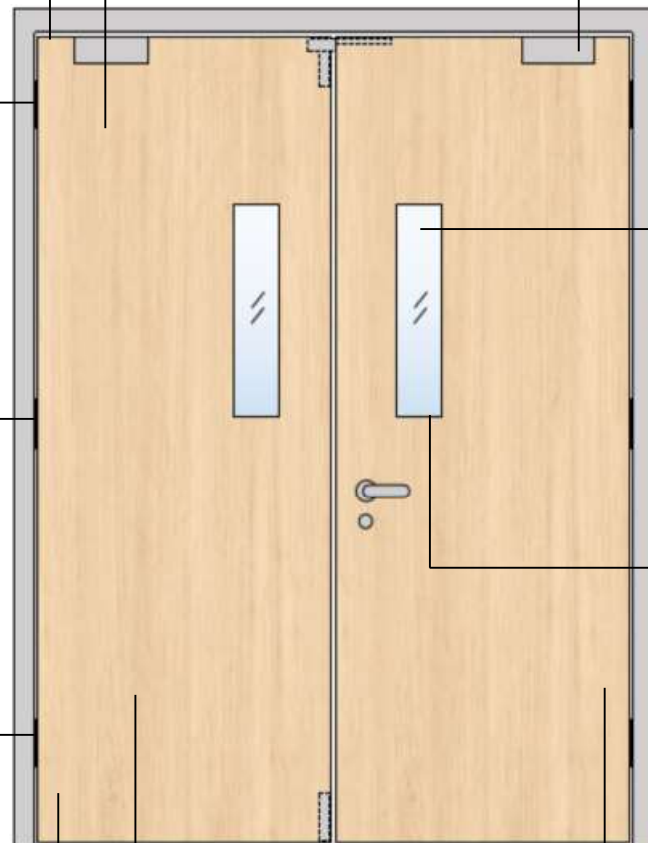
### Larger Vision Panel

- ☑ 105mm x 610mm (0.064m<sup>2</sup>) clear visible area
- ☑ Increased visibility & safety due to lowered visible area (compared to conventional 150mm x 300mm wired glass)

### Plywood Surface

#### (Even for 2HR Rating)

- ☑ Smoother surface, ready to receive other finishes

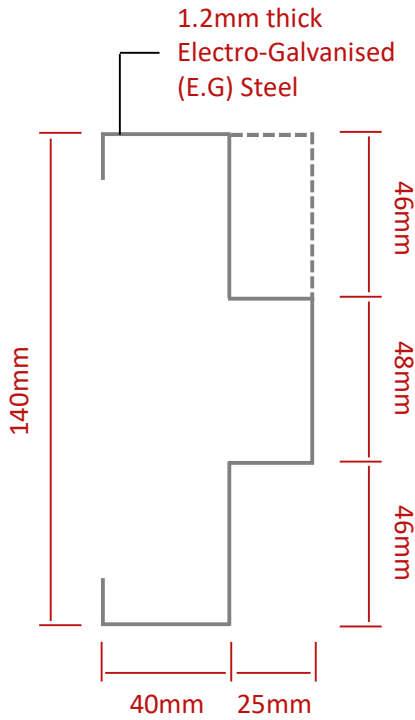


SCYDOOR Composite Fire Rated Door was tested for **Formaldehyde Emission** in the Forest Research Institute of Malaysia (FRIM) and had achieve the following results:

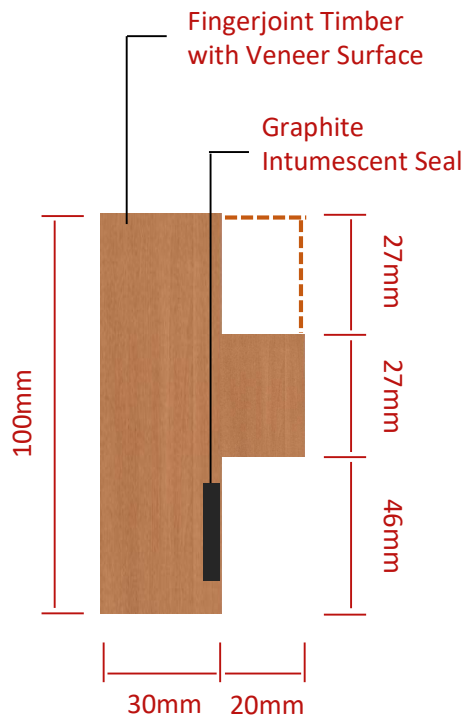
ISO 12460-5:2015 (Determination of Formaldehyde Release) : **Class E1**

JIS A 5905:2014 (Determination of the Emmission of Formaldehyde from Building Boards) : **F☆☆☆☆**

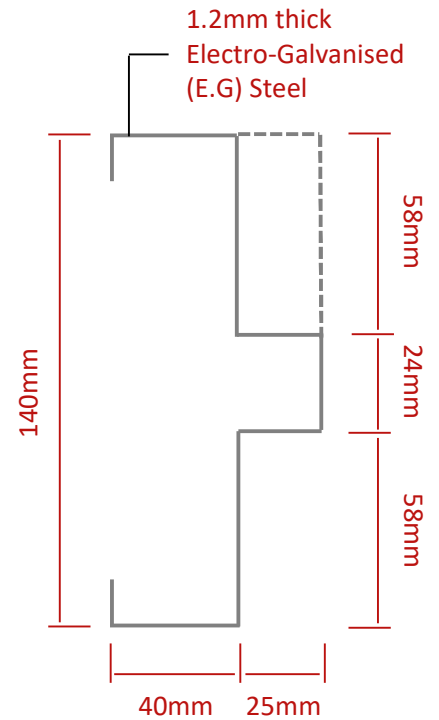
## TYPICAL DOOR FRAME PROFILE



**1 Hour Rated Metal Door Frame**  
140mm x 65mm  
Double Rebated or Single Rebated

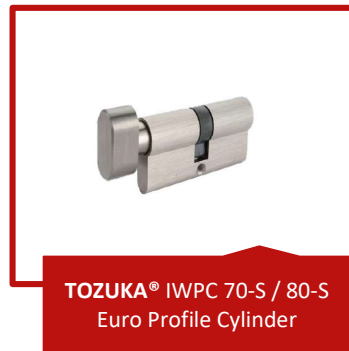


**1 Hour Rated Timber Door Frame**  
100mm x 50mm  
Double Rebated or Single Rebated



**2 Hours Rated Metal Door Frame**  
140mm x 65mm  
Double Rebated or Single Rebated

## TYPICAL ARCHITECTURAL HARDWARES & FITTINGS





2 HOUR RATING



- Actual door testing specimen of 2 Hour Double Leaf (**facing furnace side**) after passing the fire test.
- Door structure still intact after enduring fire for 150 mins.



1 HOUR RATING



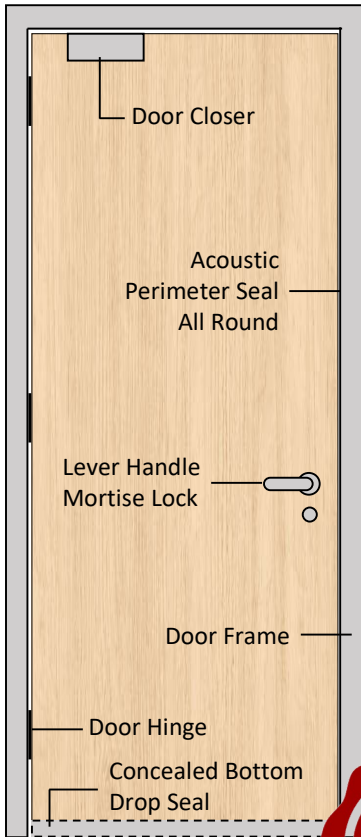
- Actual door testing specimen of 1 Hour Single Leaf (**facing furnace side**) after passing the fire test.
- Door structure still intact after enduring fire for 70 mins.



**1 HOUR FIRE RATING**

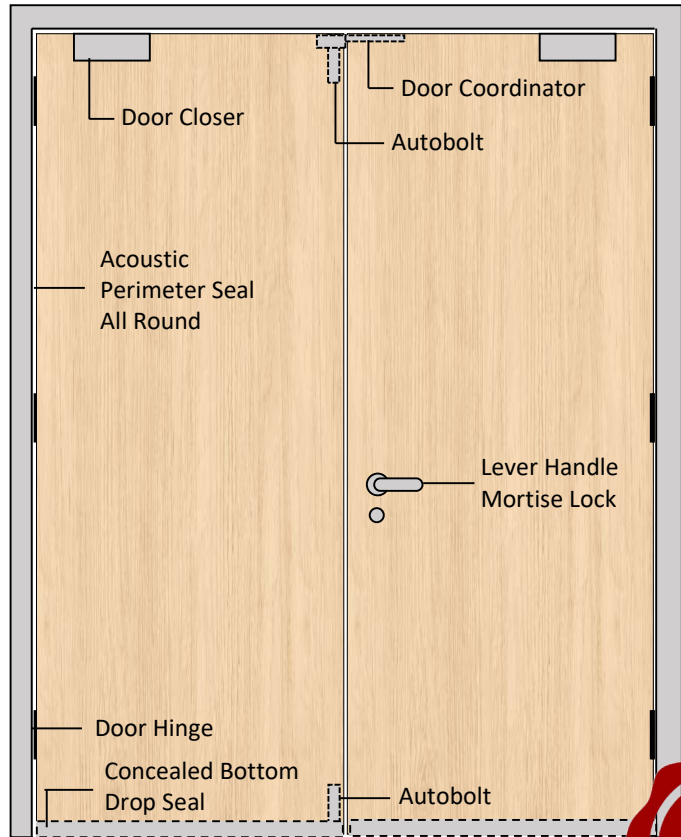


**Rw. 35±1 dB ACOUSTIC RATING**



**Single Leaf**

Maximum Frame Size :  
1220mm (w) x 3048mm (h)  
Door Thickness : ± 47mm  
Door Weight : ± 554kg/m<sup>3</sup>



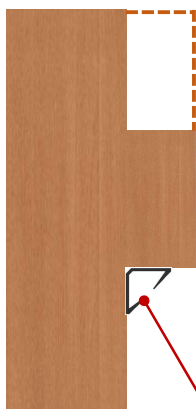
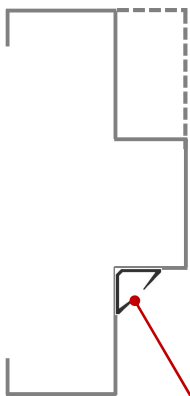
**Double Leaf**

Maximum Frame Size :  
2438mm (w) x 3048mm (h)  
Door Thickness : ± 60mm  
Door Weight : ± 690kg/m<sup>3</sup>



*\*Acoustic Rating Tested to ISO 10140-2:2021*

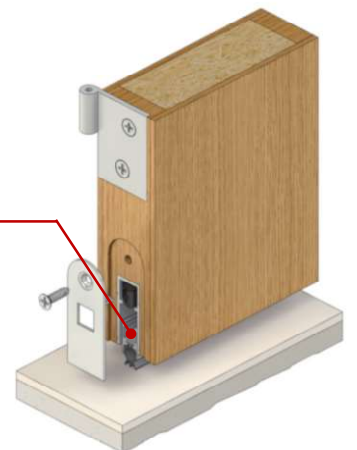
## ARCHITECTURAL HARDWARES FOR ACOUSTIC DOOR



**Conceal Bottom Drop Seal**



**Acoustic Perimeter Seal**

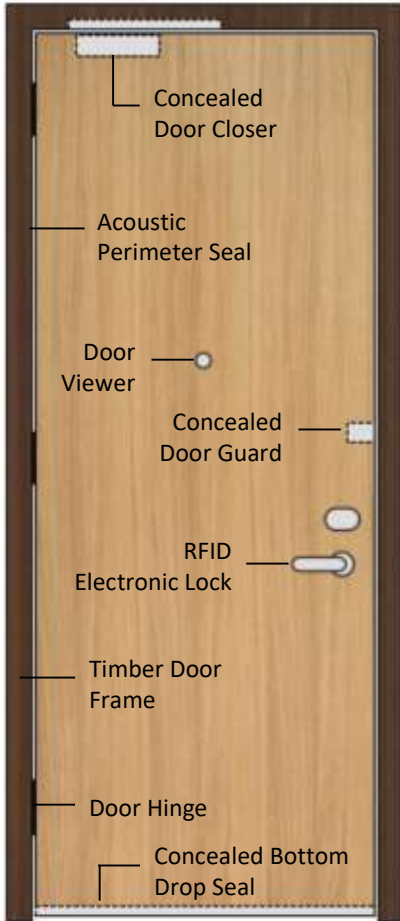




**1 HOUR FIRE RATING**



**Rw. 43±1 dB ACOUSTIC RATING**

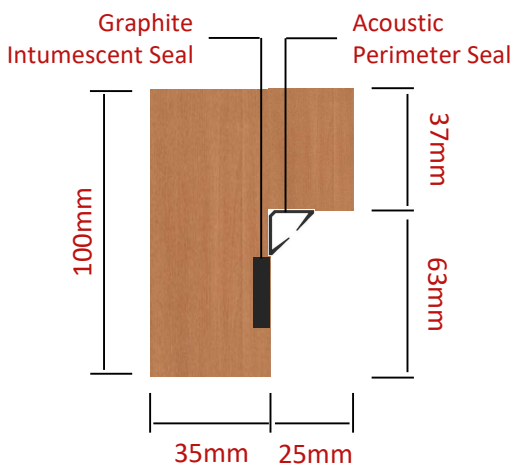


## TECHNICAL SPECIFICATIONS

Heat Insulation Rating	> 70 mins
Door Integrity Rating	> 70 mins
Acoustic Rating	(43 ± 1) dB
Door Overall Size	Up to ± 1300mmW x 2440mmH
Door Frame Material	Hardwood with Density of ± 750 kg/m <sup>3</sup>
Door Frame Profile	± 100mm x 60mm & Above
Door Core Material	Multi-layer Fire Rated & Acoustic Core
Door Surface Finishes	High Pressure Laminate (HPL) / Veneer
Door Leaf Thickness	± 60mm
Door Edge Finishes	PVC / ABS

\*Fire Rating Tested to MS 1073 : PART 3 : 1996 (AMD.1 : 2003)

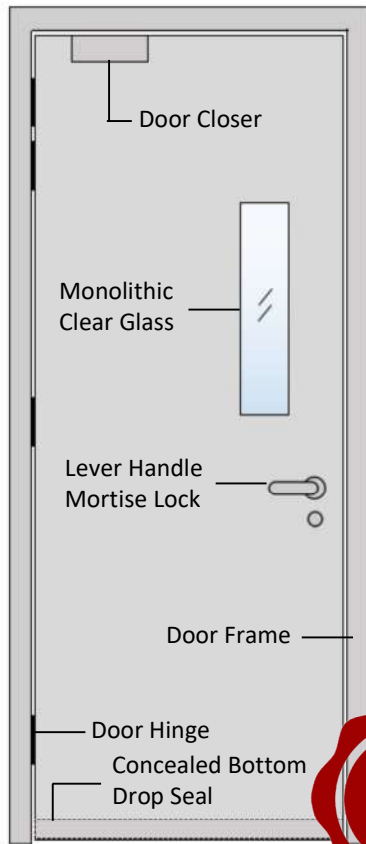
\*Acoustic Rating Tested to ISO 10140-2:2021



**1 Hour Rated Acoustic Timber Door Frame**  
100mm x 60mm  
Single Rebated with Veneer Finished

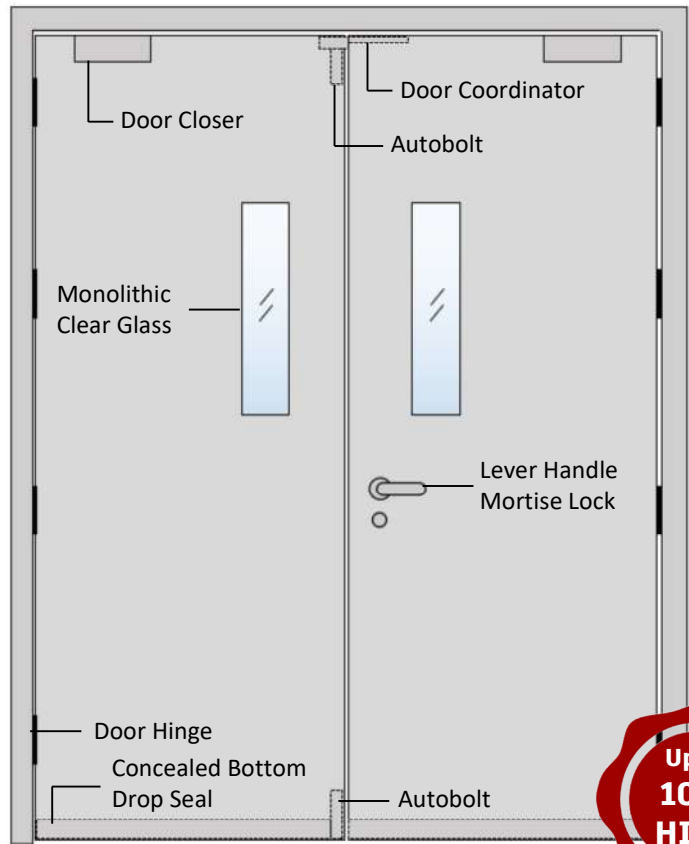


\*For project inquiries, others architectural hardwares or fittings are available.



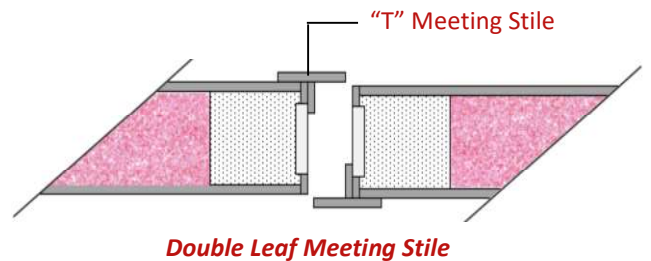
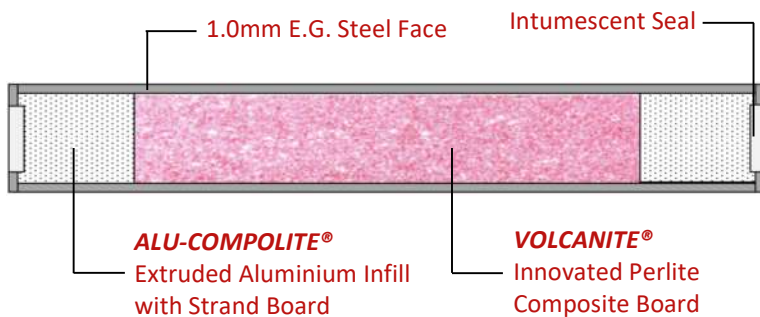
**Up to  
10FT  
HIGH**

**Single Leaf**  
Maximum Frame Size :  
1281mm (w) x 3026mm (h)



**Up to  
10FT  
HIGH**

**Double Leaf**  
Maximum Frame Size :  
2479mm (w) x 3026mm (h)

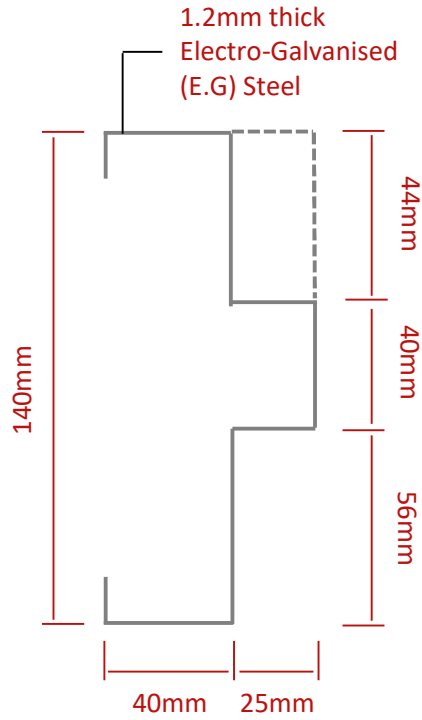


**Double Leaf Meeting Stile**

### TECHNICAL SPECIFICATIONS

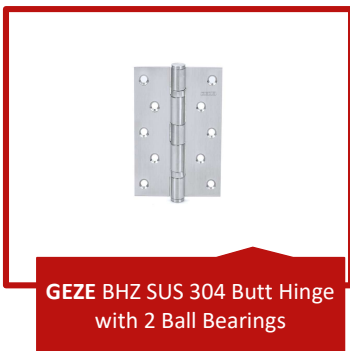
Heat Insulation Rating	Up to 78 mins
Door Integrity Rating	> 130 mins
Door Frame Material	1.2mm thick Electro-Glavanized (E.G) Steel
Door Thickness	± 52 mm
Door Weight	Approx. 50kg/m <sup>2</sup> or 976kg/m <sup>3</sup>
Door Surface Finishes	1.0mm thick Electro-Glavanized (E.G) Steel Face

## TYPICAL DOOR FRAME PROFILE



**2 Hours Rated Metal Door Frame**  
140mm x 65mm  
Double Rebated or Single Rebated

## TYPICAL ARCHITECTURAL HARDWARES & FITTINGS



*\*For project inquiries, others architectural hardwares or fittings are available.*