



FIRE RATED DOORS CATALOGUE

**Protecting Assets,
Safeguarding Lives**



HART

ABOUT US

Hart Engineering was established in 1971 and has been a reputable manufacturer of high-quality fire-rated doors for more than 50 years. We are experienced in both metal and timber fire doors, and we have continuously produced goods that incorporates durability, safety, and excellent craftsmanship.



Our factory staff comprises of numerous skilled workers, many of them having decades of knowledge and experience withour products. Their unwavering commitment to their craft guarantee that our fire doors not only meet the demands of Singapore's SS332:2018 CL5 standard but goes beyond and surpass expectations.

FIRE RATED STEEL DOORS



Suitable for

- Office buildings
- Factories
- Shopping malls
- MRT stations
- Schools/Colleges
- Oil and gas plants

**0.5 to 4 hrs
rating available**

Construction

Hart's steel door panels are made of 1.2mm E.G. steel sheets with internal stiffeners spot welded at equal intervals. E.G. steel U-channels on the top and bottom edges allow height adjustments. Frames are 1.5mm E.G. steel with a 140x50mm profile (single/double rebate). Fire Rated Steel Doors can be manufactured with or without vision panel.

Recommended Max Dimension

Non Fire Rated Doors:3700(W) x 3700(H)
Fire Rated Doors:2400(W) x 2400(H)

Additional Features

- Insulation
- Durable
- Laminates
- Swappable Vision Panels

Finishing Options

- Vinyl Laminated
- Powder Coating
- PU Coating
- Spray Painted
- Primer Coat

Laminate Options

Hart provides door laminating services, allowing customers to choose their preferred laminate and supplier, thus giving customers the freedom to customize the door's appearance.



TIMBER FIRE RATED DOORS



Suitable for

- Offices
- Hotels
- Hospitals
- Schools/Colleges
- Condominiums
- Apartments

**1 & 2 hrs
rating available**

Construction

1hr & 2hr timber door panels are made with internal 38/48mm thick composite timber door panel with both sides 3.6mm thick normal plywood finish. Door thickness 45/56mm. Door frame are made of Kapur timber (Frame Profile 140 x 50mm) or Electro Galvanized Frame 1.5mm thick (Frame Profile: 140 x 50mm), 10mm timber beading all round/without 10mm timber beading.

Recommended Max Dimension

Double Equal Leaf (2200 x 2700mmH)
Single Leaf (1000 x 3000mmH)

Additional Features

- Approved laminates
- Fancy & Aesthetic Veneer Plywood

Finishing Options

- Laminated
- Spray Coating
- Varnish
- Veneer finishing with ABS edging
- Paint Finishing

Laminate Options

Hart provides door laminating services, allowing customers to choose their preferred laminate and supplier, thus giving customers the freedom to customize the door's appearance.



TESTING OF FIRE RATED DOORS



- Hart's fire doors are rigorously evaluated at reputable local and overseas accredited testing facilities.
- Tests are conducted under stringent conditions to ensure compliance with required fire rating certifications.
- Certified to meet ISO standards & Singapore SS 332:2018 CL5.
- Provides reliability, safety, and top-quality performance customers can trust and expect.

BRANDS OF IRONMONGERY

For added security, we offer high quality ironmongery, including hinges, locksets, door handles, and more. All components are sourced from reputable manufacturers. Below are examples of the trusted brands we incorporate into our doors.



ASSA ABLOY



pbs
SINGAPORE



dormakaba

	Handles	Hinges	Locksets	Panic Bar	Door Closer	Door Selector
ASSA ABLOY	✓	✓	✓			✓
pbs SINGAPORE	✓	✓	✓			✓
	✓	✓	✓			✓
dormakaba	✓	✓	✓	✓	✓	✓
Briton				✓		
TRIDENT ARCHITECTURAL	✓					
ATENA					✓	

Project Reference



Hospitals

- National University of Singapore
- Medical Science Library
- National Junior College
- Sembawang Secondary School
- Yishun Secondary School
- NTU
- SGH Academia

- Thomson Medical Centre
- Singapore General Hospital
- NUH Hospital
- KK Hospital
- Changi General Hospital
- Parkway Cancer Centre



Schools & Institutions

- Resorts World Sentosa
- Jurong Point Shopping Mall
- International Business Park
- Thong Chai Medical Institution
- Changi T2
- Alexandra Point



Commercial Building

- Army Logistics
- Changi Naval Base
- Police Station at Changi Airport
- Orchard Turn LTA
- Marina Coastal Express Way
- Hendon Camp
- DSTA – Camp Project



Military & Government

- Tuas Power Station
- Sembcorp Warehouse, Jalan Buroh
- Tuas Incineration Plant
- Biotronix
- Senoko South Road Factory
- Confectionary Factory
- NESTE Building



Factories

CONTACT US



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