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科保 Forbes

Forbes Fire-Rated Timber Door System
科 保 防 火 木 門 系 統



Performance Doors

- Fire Resistance up to 2 hours (Integrity and Insulation)
  防火效能達至兩小時 (防火及隔熱)
- Various aesthetic outlook for internal and external use
  多元化外觀飾面選擇
- Complied with BS EN 1634-1 : 2008, BS EN 1634-3 : 2004 & BS 476：Part 22：1987
  符合 BS EN 1634-1 : 2008, BS EN 1634-3 : 2004 及 BS 476：Part 22：1987之防火及防煙標準
- Quality without compromise
  品質保證，客戶信心之選



A fire door is just like any other door most of the time. But if a fire breaks out, it is more than just a piece of wood in a hole to stop the draught; it performs a vital and specific task by burning at a particular rate to act as a barrier to hold back the spread of the blaze. The door frame, the hinges, the ironmongery, the glass in any vision panels and the seals are all selected to ensure the combination works in case of fire hazard. All the Forbes fire doors are carefully and precisely designed, engineered and tested in accordance with BS 476 : Part 22 : 1987, BS EN 1634-1 : 2008 & BS EN 1634-3 : 2004 to achieve the required FRR performance.
防火木門的外觀跟一般木門無異。當遇火燒時，防火門芯及受熱而膨脹的防火煙條會發揮具有高度防火及耐熱的功能，瞬間為生命和財產提供保障。所有科保防火木門都按照 BS 476: Part 22: 1987, BS EN 1634-1 : 2008 & BS EN 1634-3 : 2004 的防火測試標準，由合資格及認可之測試中心作防火及防煙測試檢定， 並獲取合格証書，合符香港屋宇署及消防處之防火及防煙規例。

Fire Test at Testing Centre 測試中心進行防火測試



Before Fire Test
測試前



After Fire Test
測試後

Flexible Choice 靈活組合

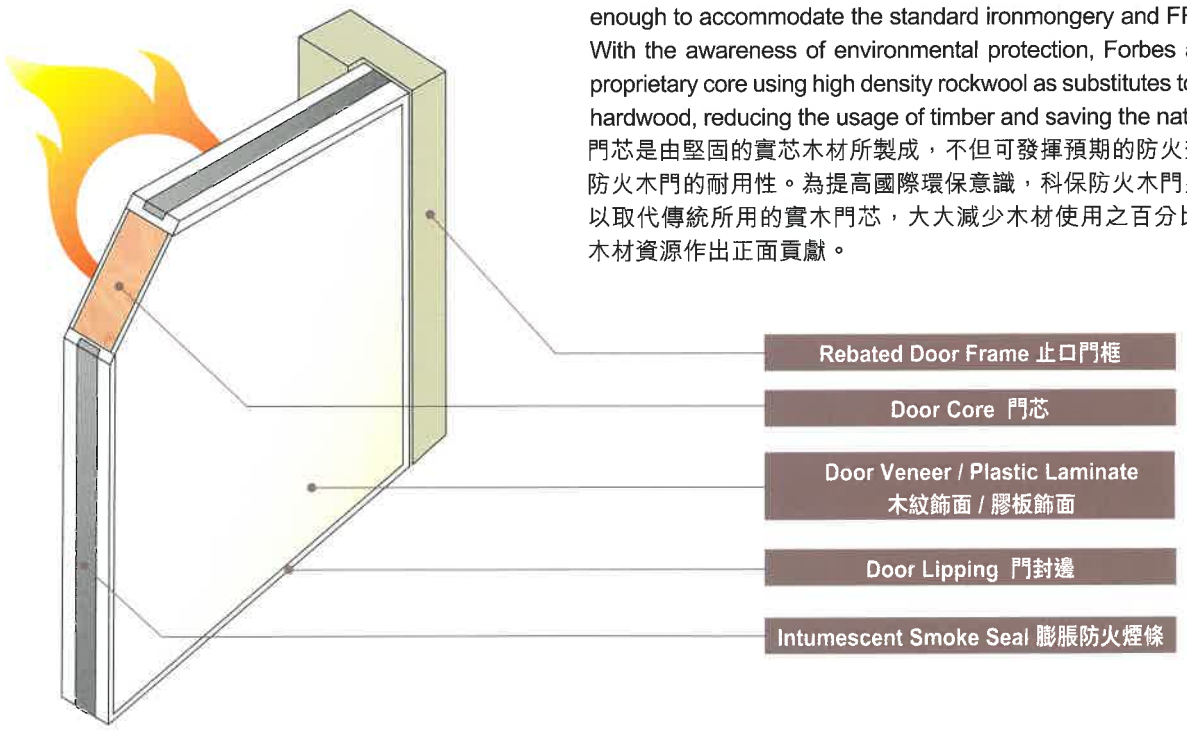
Forbes is ideal for use in any location, ranging from basic paint-grade flush doors for office refurbishments to high quality veneered or traditional panelled doors for commercial and residential application. Different designs can be accomplished to meet client's precise needs.
科保防火木門採用實芯木材和經加工處理的各種耐溫隔熱材料所製成，並提供多元化的飾面選擇，由噴漆飾面，木紋飾面，以至高級防火膠板，均可製作處理，適合各類型樓宇設計用途。





Built-in Core 門芯結構

Core material is basically high density solid hardwood which are strong enough to accommodate the standard ironmongery and FRR requirement. With the awareness of environmental protection, Forbes also develops a proprietary core using high density rockwool as substitutes to traditional solid hardwood, reducing the usage of timber and saving the natural resources.
門芯是由堅固的實芯木材所製成，不但可發揮預期的防火效能，更可提高防火木門的耐用性。為提高國際環保意識，科保防火木門另推出環保門芯以取代傳統所用的實木門芯，大大減少木材使用之百分比，為保護天然木材資源作出正面貢獻。



Excellence has a name 信譽可靠，優質之選

Timber Veneers 木紋飾面



Various exotic and standard veneer facings can be specified to complement different interior design, ranging from plain quarter-cut to highly figured crown-cut veneers. Such as Beech, Teak, Maple pattern, MDF and etc.
木門面加上木紋飾面主要是保護板材及有美觀之用，如櫸木紋、柚木紋、楓木紋、中纖板等。配合不同鑲嵌圖案與木質，發揮更大的設計和創作空間。

Plastic Laminates 防火膠板



Plastic Laminate is available in a variety of colors, patterns and textures. It is also a decorative material designed to provide wear, stain, heat and impact resistant for veneer's surface, allowing greater flexibility for the project and building design.
防火膠板堅固耐用，防水防潮、美觀易潔、助燃性低、價格經濟、款式多元化。廣泛地為各類建築的工程，提供靈活的設計選擇。

Finishes 表面處理

Veneered door can be finished with a layer of lacquer coating to protect the surface of veneer. Plain grade doors are normally supplied with one coat of white primer, but can be fully finished with paint or tinted lacquer.
木門表面可以塗上一層噴漆或瀝架，以保護木材之表面，既美觀又不會影響防火功效。

Project References 工程案例



The Gateway Tower, Tsimshatsui
尖沙咀港威大廈



Sing Ho Finance Building, Wanchai
灣仔信和財務大廈





Yuen Long Commercial Building
元朗商業中心



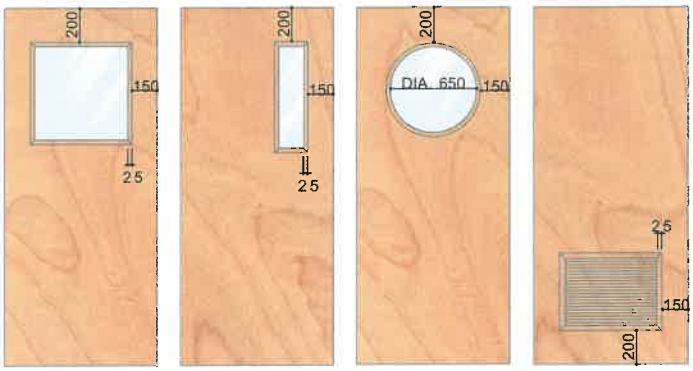


Hong Kong Diamond Exchange Building
中環香港鑽石會大廈

Reliable, Quality and Safety Fire-Rated Timber Door System 優質安全防火木門系統

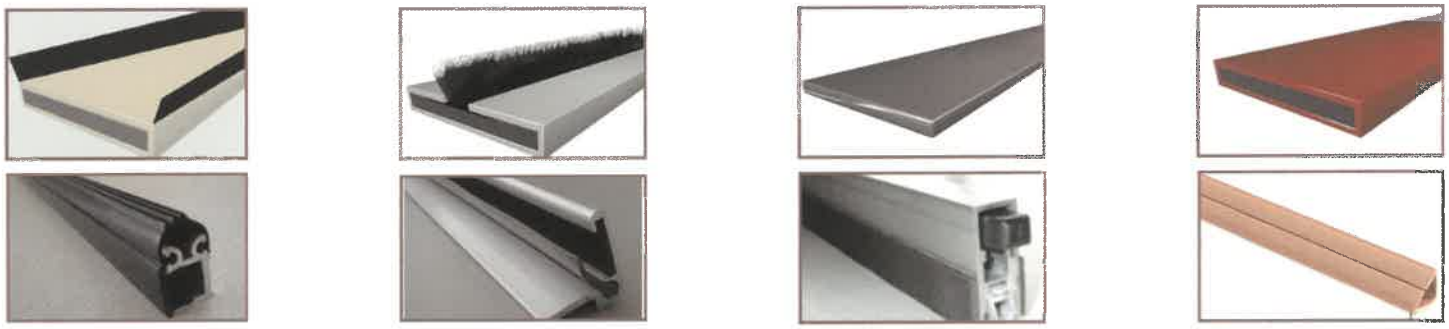
Vision Panel or Louvre on Doors 窗 / 百葉

Forbes offers flexible glazing options and could be made to any particular shape or size, depending upon the requirements. Curved apertures, circular portholes or different geometric glazing arrangements can be cut and glazed in factory prior to delivery. Intumescent Louvre could also be installed to allow for better ventilation or air flow in special application.
為提供透視效果，各類型之門窗均能安裝於防火門上，增加其實用功能。此外，防火百葉也能安裝於防火門上，增加室內空氣之流通。



Intumescent Smoke Seal 防火煙條

Intumescent Smoke Seals are installed around the door edge to increase its performance to resist flame and smoke in case of fire. It could be installed either on the frame head / jamb or on the door leaves, depending on the special requirement. Doors equip with these seals comply with BS EN 1634-3 : 2004.
防火煙條採用獨特的膨脹性阻燃配方，貼在防火門或門框的周圍。當遇火膨脹時可形成保護碳層，有效地阻隔濃煙和火焰擴散，並具有良好的隔熱功能，符合 BS EN 1634-3 : 2004 的規定。



Door Accessories 門的配套


Door Closer
閉門器


Vision Panel or Louvre
窗 / 百葉




Mortise Cylinder Deadbolt
輔助鎖


Floor Spring
地彈簧


Push Plate "FIRE DOOR TO BE KEPT CLOSED"
"防火門應常關"指示推手板


Hinge
門較


Cylindrical Lockset
球型門鎖



Push Plate and Pull handle
推拉手板連拉手

A comprehensive range of ironmongery sets (such as door hinge, door closer, door handle, push / pull plate and etc) could be specified and used in the doors.
根據客戶之要求，防火木門能配對一系列不同牌子及型號之五金配件，配合不同的使用範圍。