



Commercial ThermalHEART™ | Series 852 Thermally Broken Door System

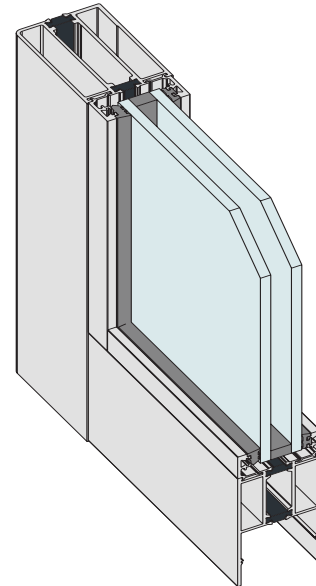


Overview

Series 852 is an innovative thermally broken aluminium commercial door system designed to complement the AWS Commercial thermally broken CentreGLAZE™ and FrontGLAZE™ framing systems.

Key Features

- Incorporating ThermalHEART™ technology, Series 852 delivers excellent thermal performance and is ideal for commercial and high-end residential applications where minimising heat or cold transfer is desired.
- To enable excellent thermal performance to be achieved, a “Thermal Break” is incorporated which separates the inside and outside elements of the frame providing an insulator to minimise the transfer of heat or cold between the elements.
- This insulating strip is manufactured from polyamide and delivers the same structural properties as aluminium to ensure the integrity of the system is maintained.
- Series 852 Commercial Door system incorporates fully beaded 50mm thick heavy duty door stiles and rails designed to accept 24mm IGUs.
- We also offer a range of snap-on glazing beads to allow us to fit thinner glass – down to 4mm thick.
- Door stiles have been designed to accept wide backset (34mm and 38mm) locks. The greater the backset, the easier it is to access the key.
- Double glazed hinged doors will be heavy and for this reason we have designed an adjustable heavy duty hinge.
- Captive co-extruded glazing wedge option (illustrated) reduces the chance of vandalism.
- Available as hinged, pivot and sliding panels.
- Top and bottom rails are secured to stiles with heavy duty spigot fixed to thick backing plate with high tensile bolts.



Maximum Panel Height	2800mm
Maximum Panel Width	1000mm
Maximum Glass Thickness	≤ 24mm

Subject to individual site conditions. Contact AWS Technical Support for information.



WERS RATED PRODUCT



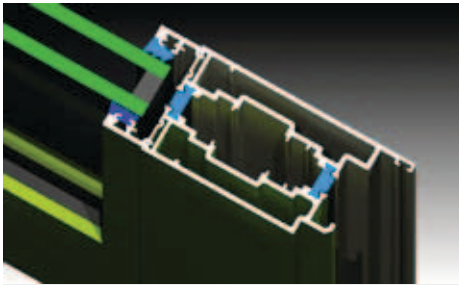
3D & 2D CAD FILES AVAILABLE



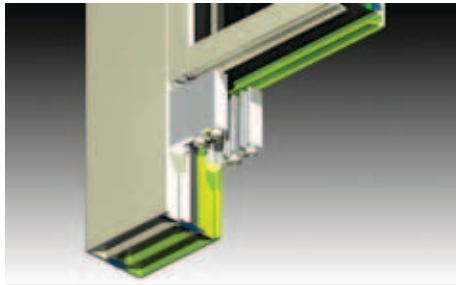
PRODUCT INFORMATION AVAILABLE AT
WWW.THERMALHEART.COM.AU



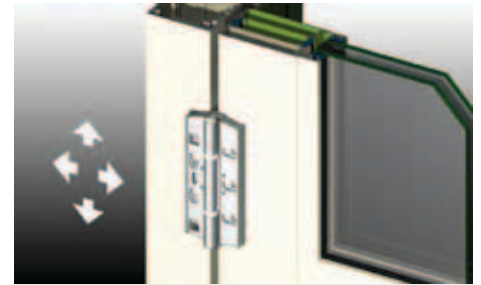
SPECIFIER ASSISTANCE AVAILABLE



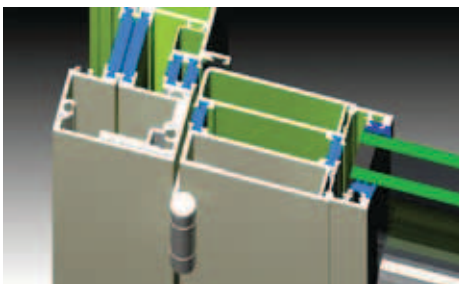
Series 852 doors have several wide door stiles to choose from, including true French meeting stiles.



Commercial doors are only as good as the joinery system. Series 852 doors have custom extruded aluminium spigots and backing plates that ensure the joint between the stiles and rails stays tight.



The doors have been designed to accept a heavy adjustable hinge.



The hinge to frame connection is reinforced with an extruded aluminium backing plate.



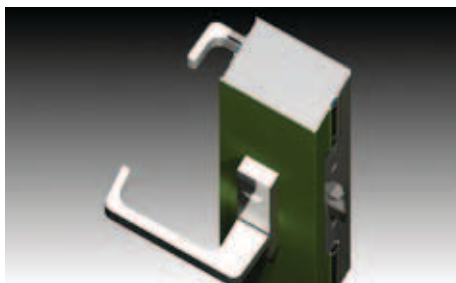
The wide stiles allow us to fit extra wide 34mm backset mortice locks.



Injection moulded nylon stile end cap keeps water and dust away from the lock motor.



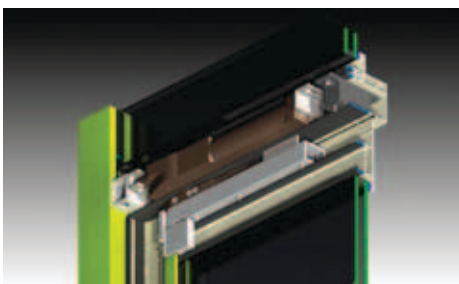
38mm wide backset commercial lever lock with 316-grade stainless steel furniture.



Injection moulded nylon stile end cap keeps water and dust away from the lock motor.



40mm wide backset lever compression lock with 316-grade stainless steel ICON™ furniture. The lever compression lock is activated by turning the handle up. This throws bolts into the head and sill and activates the central locking bolt.



Custom head/transoms. All aluminium frame elements are thermally broken: main frame, COC cover and doors. Highlight will also accept 24mm IGUs.



Custom roller designed to support heavy double glazed door panels. Roller height can be adjusted via access hole in edge of stile.



Series 852 doors can be fitted with Centor E3 heavy duty overhead rollers. The roller support bracket is screwed down into the door joinery spigot.