Commercial ThermalHEART™ | Series 804

Thermally Broken 100mm CentreGLAZE™ Framing

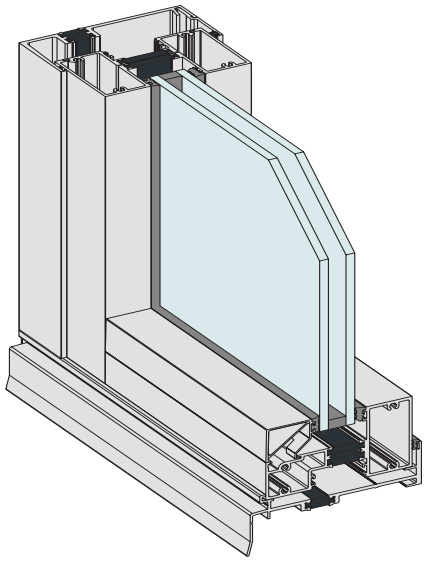
ELEVATE ALUMINIUM SYSTEMS

Overview

Series 804 is an innovative thermally broken aluminium CentreGLAZE™ framing system measuring 100mm x 60mm.

Key Features

- Incorporating ThermalHEART™ technology, Series 804 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 804 thermally broken CentreGLAZE™ framing has been designed specifically to accept 24mm Insulating Glass Units (IGUs).
- The 28mm deep glazing pocket is designed to accept thick heavy IGUs and allows glass to be installed easily with room to spare (catering for glass manufacturing and installation tolerances).
- This deep glazing pocket provides a 12mm bight as required by the IGU manufacturers and ensures compliance with glass warranties.
- Reinforced tall glazing bead at sill tolerates high negative wind loads.
- True captive glazing wedge on the outside reduces the chance of vandalism.
- Wet top (silicone) glazing option also available.
- Glazing wedges are recessed into the framing for a clean aesthetic appearance.
- Wide range of thermally broken sub-frames to cover most installations, including sub-sills with integrated nailing fin ideal for residential installations.
- Internal and external swing hinged door thresholds are also thermally broken.
- 50mm thick doors designed to accept wide backset locks.
- Compatible with other thermally broken AWS frames.
- Designed to go into residential applications (brick veneer or cavity brick walls) using our custom nailing fin head, jambs and nailing fin sub-sill.



Maximum Panel Height	Various
Maximum Panel Width	Various
Maximum Glass Thickness	≤ 24mm

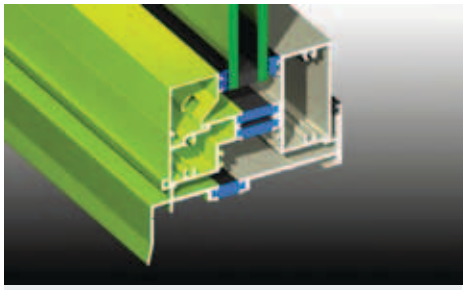
Subject to individual site conditions. Contact AWS Technical Support for information.

WERS RATED PRODUCT

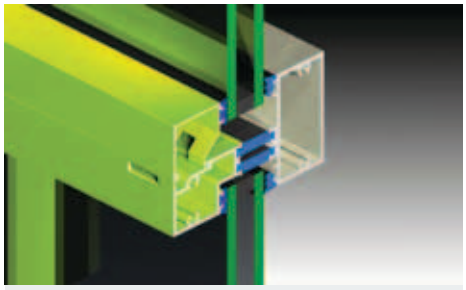
3D & 2D CAD FILES AVAILABLE

PRODUCT INFORMATION AVAILABLE AT WWW.THERMALHEART.COM.AU

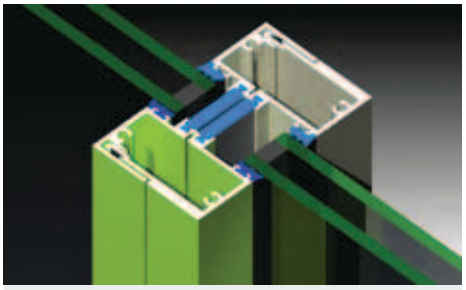
SPECIFIER ASSISTANCE AVAILABLE



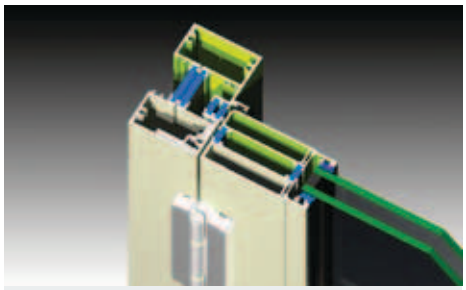
Sub-sill designed to support heavy double glazed frames and maintain the thermal break – dual colour option.



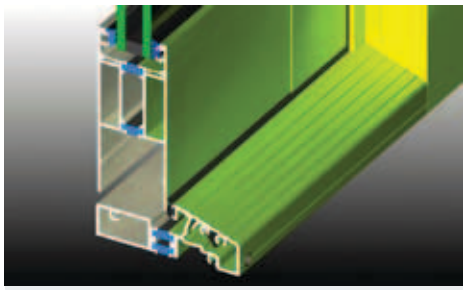
Designed to accept 24mm IGUs. Glazing pocket offers the required 12mm glass bight on Insulating Glass Units (IGUs). A variety of pocket closer extrusions are available should monolithic glass be required.



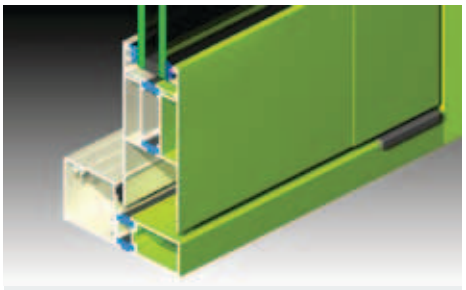
We offer both snap together and expansion mullions.



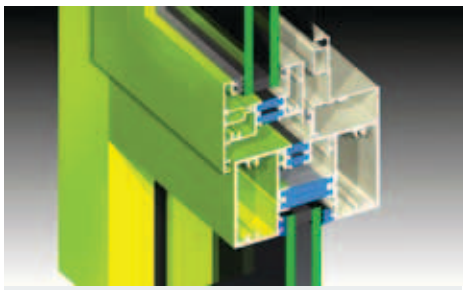
Series 804 will accept hinged, pivot or sliding doors. Doors are 50mm thick and will accept 24mm IGUs. Heavy duty adjustable hinges with extruded aluminium backing plates designed to support heavy door panels. The wide stiles allow us to fit wide backset locks.



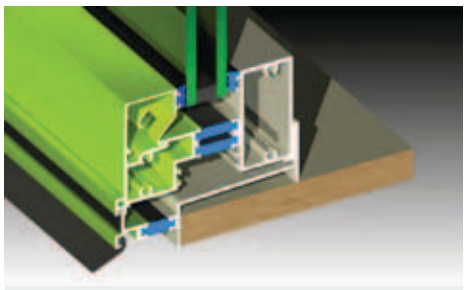
We offer a weather resisting threshold for the internal opening doors. The threshold has an internal anti-blowback valve to reduce air infiltration and improve water resistance.



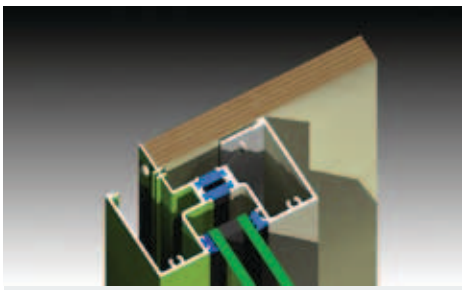
For external opening doors that require water resistance we offer a dedicated threshold. The threshold maintains the thermal break.



Awnings can be inserted into Series 804 framing. Sashes will accept a variety of glass thicknesses, including 24mm IGUs illustrated. We can fit manual chain winders or wedgeless cam handles.



For residential installations into brick veneer or cavity we have a custom nailing fin sub-sill. We always recommend sub-sills under commercial framing.



For residential installations into brick veneer or cavity brick we have a custom nailing fin jamb that will accept both timber reveals and height adjustable building-in lugs. If you want to keep water out, fit a frame with a nailing fin/weather bar.