



# STARKE

a window to a better world

## THERMALLY BROKEN COMMERCIAL ALUMINIUM

Flush glazed framing  
providing energy-efficient  
interiors all year round.

## Flush Glazed Thermally Broken Framing

Stärke's thermally broken flush glazed commercial aluminium system is a high performance energy efficient framing option that utilises the latest in European Polyamide Thermal Break technology.

Combined with Australian design principles this achieves the best possible results in energy rating in a system that is easy to fabricate and install. Its versatility allows countless specifications to be achieved, from standard shopfront applications through to low rise curtain wall applications. It has been designed to accommodate high performance double glazed units that can maximise the performance of the building envelope.

Available in 150mm x 60mm, Commercial Thermally Broken Flush Glazed allows architects to minimise the transfer of heat or cold across a window with a standard system.

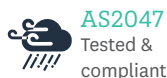
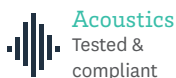
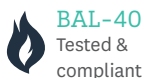
Glazing could not be simpler with the colour coded wedges from standard Stärke systems being utilised to deal with the many diverse glass options.

With the use of heavy duty mullions the Commercial Thermally Broken 150mm Flush Glazed system with a myriad of mullion and reinforcing splice options can allow heights to reach and surpass 4.5m depending upon wind loading conditions.

Subsills are recommended for optimum weathering with all Commercial Thermally Broken systems.

## Key Features

- ▶ Glazing Pocket Design maximises energy performance
- ▶ Glazing Pocket Design allows for insertion of optional accessories to reduce total window  $U_w$  values where required
- ▶ Excellent ' $U_w$ ' values down as low as 1.9
- ▶ 150mm x 60mm Framing System
- ▶ 38mm wide glazing pocket accepts double glazed options up to 32mm
- ▶ Thermally Broken Sub Framing designed to support heavy double glazed frames including the option of a two piece sub jamb for easier installation
- ▶ Thermally Broken Hinge Door Threshold also available
- ▶ The glazing pockets are designed to allow for the installation of large IGUs and provides the required glass cover to comply with NZS4223
- ▶ Colour coded glazing wedges for ease of identification for glazing
- ▶ Easily adapts to Commercial Thermally Broken 50mm Commercial Hinge Door and Awning Window as well as the Sliding Door System



## Technical Specifications

| Frame Dimensions |            |
|------------------|------------|
| Option 1         | 150 x 60mm |

|                           |            |
|---------------------------|------------|
| Maximum Recommended Sizes | 150 x 60mm |
| Height                    | 4500mm     |
| Width                     | 2400mm     |

|                             |            |
|-----------------------------|------------|
| Maximum Product Performance | 150 x 60mm |
| SLS (Pa)                    | 3000       |
| ULS (Pa)                    | 5200       |
| Water (Pa)                  | 700        |

|                     |             |
|---------------------|-------------|
| Thermal Performance | 150 x 60mm  |
| Uw range DG         | 1.8 - 2.9   |
| SHGC range DG       | 0.30 - 0.63 |

| Glazing Details |             |
|-----------------|-------------|
| Glass Position  | Front       |
| Single Glazed   | 6 - 14.52mm |
| Double Glazed   | 16 - 32mm   |

|                                       |               |
|---------------------------------------|---------------|
| Acoustic Performance ( $R_w$ (C;Ctr)) | 150 x 60mm    |
| 6.38/12/6.38mm IGU                    | N/A           |
| 10.38/12/6.38mm IGU                   | 39 (-1,-4) dB |

| Compatible Systems                          |  |
|---|--|
| Thermally Broken Awning & Casement Window   |  |
| Thermally Broken 50mm Commercial Hinge Door |  |
| Sliding Door System                         |  |

## CAD Cross Section

