100MM, 125MM & 150MM FLUSHGLAZE

MAIN FEATURES

- Suitable for shopfront and medium rise uses.
- Glazing is almost flush with the outside face, reducing the visual effect of aluminium as viewed from the outside.
- Provision can be made for seismic and thermal movement.
- Can incorporate matching opening sashes, including an unobtrusive structurally glazed sash.
- Includes internal drainage which allows this system to be used with confidence on multi-storey buildings.
- Single and double glazing options, including mixed within the same façade.
- Sun control fins can also be applied to the outside of the transoms to aid solar control and accentuate the horizontal line.
- Can be used as a strip curtain wall system and can be structurally glazed vertically to minimise the visual impact of aluminium beads.
- Structural glazed mullions can be included in the system.

FRAME TYPES

100mm Fixed System Single Glazed has (08206) at head with (08201 / 08503) at sill, bead glazed for a maximum 8mm single glazing. At jambs (08207) is used, pocket glazed.

100mm Fixed System Double Glazed has (08221) at head with (08216 / 08503) at sill, bead glazed for a maximum 24mm double glazing. At jambs (08222) is used, pocket glazed.

100mm Seismic System Single Glazed has (08267) and (08201) subframe at the head with (08266) and (08201) at the sill, bead glazed for a maximum 8mm single glazing. At jambs (08267) is used with subframe (08202), pocket glazed. Can be structural glazed at mullions.

100mm Seismic System Double Glazed has (08267) and (08216) subframe at the head with (08266) and (08216) at the sill, bead glazed for a maximum 24mm double glazing. At jambs (08267) is used with subframe (08217), pocket glazed.

125mm Seismic System Single Glazed has (10063) and (10083) subframe at the head with (10061) amd (10083) subframe at the sill, bead glazed, for a maximum 12mm single glazing. At jambs (10065) is used with subframe (10084), bead glazed.

125mm Seismic System Double Glazed has (10063) and (10067) subframe at the head with (10061) at the sill for a maximum 30mm double glazing. At jambs (10065) is used with subframe (10068), bead glazed.

150mm Seismic System Single Glazed has (10078) and (10085) subframe at the head with (10076) and (10085) at the sill, bead glazed for a maximum 12mm single glazing. At jambs (10079) is used with (10086) subframe, bead glazed.

150mm Seismic System Double Glazed has (10078) and (10080) subframe at the head with (10076) and (10080) subframe at the sill for a maximum 30mm double glazing. At jambs (10079) is used with subframe (10081), bead glazed.

MULLIONS

100mm Single Glazed (08204/08205) two piece pocket glazed mullion.

100mm Adjustable (Facet) Corner Post (08212 / 08213) two piece, pocket glazed mullion for single glazing.

100mm Structural Glazed Split (08238 / 08239) two piece mullion.

90° Corner Post (08210 / 01219 / 08211) three piece pocket glaze mullion for single glazing.

125mm Single Glazed (10036 / 10037) two piece mullion.

100MM, 125MM & 150MM FLUSHGLAZE

125mm Double Glazed (10032 / 10033) two piece mullion.

125mm Structural Glazed Single Glazed (10038 / 10039) two piece mullion.

125mm 90° Corner Post (10070 / 10036 / 10037) three piece, bead glazed for single glazing.

125mm Structural Glazed Double Glazed (10034/10035) two piece mullion.

150mm Single Glazed (10048 / 10049) two piece bead glazed mullion.

150mm Structural Glazed Single Glazed (10050 / 10051) two piece mullion.

150mm Double Glazed (10044 / 10045) two piece mullion.

150mm Structural Glazed Double Glazed (10046 / 10047) two piece mullion.

Two-piece mullions and transoms facilitate practical transportation of pre-fabricated sub-assemblies that can be joined conveniently on site to create strip windows.

TRANSOMS

100mm Typical Single Glazed (08203) bead glazed transom.

100mm Split Single Glazed (08208 / 08209) bead glazed transom.

100mm Double Glazed (08218) bead glazed transom.

125mm Single Glazed (10021) bead glazed transom or (10087 / 10088) split transom.

125mm Double Glazed (10020) beaded, or (10040 / 10041) split transom.

150mm Single Glazed (10022) bead glazed transom or (10089 / 10090) split transom.

150mm Double Glazed (10082) beaded, or (10052 / 10053) split transom.

REFER SPAN TABLES FOR TRANSOM REQUIREMENTS.

SASH TYPES

100mm beaded Sash (08320 / 08322) suitable for single or double glazing. Double glazing is achieved by machining the glazing pocket back leg.

125mm & 150mm Single Glazed Sash (10005 / 10007) beaded, maximum 12mm glazing.

125mm & 150mm Double Glazed Sash (10006) beaded, maximum 30mm glazing.

COMPATIBILITY

Compatible with Magnum commercial doors from First™ mounted in a range of styles - conventional hinged, floor sprung, with concealed transom closer, sliding and automatic.

FLASHINGS

Commercial systems often require project specific flashings dependent on application, cladding type and site exposure. Refer to your First™ manufacturer for specific installation information.

REFER SECTION 1.6 AND 2.9 INSTALLATION & WEATHERTIGHTNESS.

FINISH / COLOUR

Powder Coated in a wide range of colours.

Anodised silver or bronze as standard, 20 micron thickness. Other colours and thicknesses are available.

REFER SECTION 1.3 SURFACE FINISHING.

GLASS

Single glazing to a maximum 12mm thickness and double glazing to 30mm (system dependent) in accordance with NZS 4223: Glazing in Buildings.

The full range of glass types can be included in this product. For further information consult your local First™ manufacturer.

100MM, 125MM & 150MM FLUSHGLAZE

PERFORMANCE

First™ complies with NZS 4211: 2008 Performance of Windows. Commercial window applications often require project specific testing. Consult your First™ manufacturer for further information and costs.

A guarantee for all First™ products is provided under normal conditions of use against failure of materials and workmanship for five years from the date of practical completion.

INSTALLATION

Flushglaze System windows are generally pre-assembled in sections at the factory and joined and sealed on site. Shop drawings can be supplied by First™ when specified.

HARDWARE

Door handles can be of the extruded aluminium and tubular types. Designers should consult hardware manuals for further options.

Door closers are available in a range of options including floor springs and hydraulic overhead surface mounted closers for pivot or hinged doors, and transom concealed closers for hinged or pivot doors with centre and offset positions.

Security and emergency exit control systems are available.

A range of automatic electronic sliding door drives are available.

For specific advice on the wide range of hardware options contact your First™ manufacturer.

REFER SECTION 1.7 HARDWARE.