

SOLEAL FY Minimal version, side-hung windows and doors



Technical notice for range (No. 6/09-1855) complying with NF EN14351-1 (EU mark of windows and doors) standard, as well as French NF standard mark for profiles.

Fixed frames

Symmetric tubular profiles with 3 x 55mm thermal chambers

Central thermal break is obtained via a 20 mm 25% fibre glass reinforced double strip PA6.6 insert.

The strip jointed inner and outer profiles can be dual colour.

2 assembly methods

The corner cleat allows a mitre cut assembly by crimping or stainless steel Torx type screw pins.

Principles of fixed frame:

Fixed frame with double glazing bead grooves allowing a direct infill.

Fixed frame with double glazing grooves allowing the clipping on of a 20/10th metal sheet, and fixation of capping, head guard and double glazing shutter pieces.

Fixed frames with outer clipping groove and incorporated 25 mm butt strip.

Fixed frame integration in Geode curtain wall

Fixed frame allowing expansion between casements

Minimal frames

Symmetric tubular profiles with 2 x 65mm thermal chambers.

Thermal break is obtained using a strip used for clipping the outside glazing bead.

Outside thermoplastic insulating glazing bead visible in the upper part, forming a slant. Sharp angle aspect opening frames for 24/26 and 32 mm glazing. Central stile thermal break for 66 mm leaf casement.

Solution for transom thermal break with 46 mm exterior view.

Fitting of the complementary profile onto the mullion opening frame for incorporation of the locking units.

Assembly

The corner cleat allows a mitre cut assembly by crimping or stainless steel Torx type screw pins. All the screws have the Torx head.

Fittings and visible joints on the exterior are available in black and grey 7040.

Sealing

Sealing between the fixed and opening frames is based on the double barrier curved gasket principle.

The preliminary sealing is achieved by a dual hardness cellular EPDM gasket, curved in corners.

4 clipped corner pieces in the rebate ensure the longevity and maintenance of the central gasket.

Sealing of the corners is provided by injection of butyl putty.

The second barrier using a curved casement gasket completes indoor sealing.

Infill

Different infill for fixed and opening frames. The gasket and exterior glazing beads are available in black and grey 7040.

Fixed frame

The principle of aluminium onto aluminium clip-in glazing bead.

The set of 7 gasket is curved, 1 outer gasket and 6 inner gaskets (Black or Grey 7040).

Infill from 4 to 42 mm without rebate widener, from 44 mm to 70 mm with a widener.

Opening frame

3 opening frames for 24 mm/26 mm/ 32 mm infill.

Glazing support by exterior thermoplastic insulating glazing bead visible in the upper part, forming a slant (Patent). One interior curvet gasket.

SOLEAL FY Minimal version, side-hung windows and doors (continuation)



Drainage

2 solutions on the façade or concealed

Façade drainage using oblong slots protected by a deflector.

Concealed drainage avoiding use of deflectors on transoms.

Accessories

Handles

7 mm square drive handle

7 mm square drive handle with key.

Double lever for locking stile of French doors with reduced outer lug.

Locks

The operation of the various locks is done using a monodirectional casement bolt mechanism concealed in the opening frame.

Supports a glazing weight of up to 130 kg per leaf.

Several options:

Open-in on lift-off hinges 2 adjustable arms or 3 sleeved arms up to 100 kg

Open-in lift-off sleeved and adjustable pivoting hinges for openings up to 130 kg

Tilt/turn and Tilt-first and turn only up to 130 kg

Bottom-hung frame

Mounting of pivoting devices for fixed frames / opening frame using insert and stainless steel Torx type screws.

Door lock offer assembly possible for French doors with locking jamb.

Composite frames

Set of mullions and transoms, single or double glazing beads with the possibility of tubular or flat steel reinforcement.

Mullion joints allowing back to back assembly of casements of the same module.

Reconstitution of rebate or insert groove based on multi usage profiles.

Incorporation of SOLEAL doors.

Possibility of incorporating a SOLEAL sliding door in the rebate.

Straight cut assembly using aluminium double end caps and stainless steel Torx type screw pins.

SOLEAL FY Visible frame version, side-hung windows and doors



Certified range (No. 6/09-1855) meeting NF EN14351-1 standard (EU mark for windows and doors), as well as French NF standard mark for profiles.

Fixed frames

Symmetric tubular profiles with 3 x 55 mm thermal break chambers. Central thermal break is obtained via a 20 mm 25% fibre glass reinforced double strip PA6.6 insert. The strip jointed inner and outer profiles can be dual colour.

Assembly

The corner cleat allows a mitre cut assembly by crimping or stainless steel Torx type screw pins.

Principles of fixed frame

Fixed frame with double glazing bead grooves allowing a direct infill. Fixed frame with double glazing grooves allowing the clipping on of a 15/10ths sheet, and fixation of capping, head guard and double glazing shutter pieces.

Fixed frames with outer clipping groove and incorporated 25 mm butt strip.

Fixed frame integration in Geode curtain wall.

Fixed frame allowing expansion between casements

Fitted opening frames

Symmetric tubular profiles with 3 x 65mm thermal break chambers.

Central thermal break is obtained via a 20 mm 25% fibre glass reinforced double strip PA6.6 insert.

2 opening frame options: 28 mm and 40 mm outside view.

Incorporation of acoustic ventilation grid in a 40 mm opening frame.

Intermediary transom thermal break solution.

French doors with MIP threshold and inward opening only.

Mounting of a complementary profile onto opening frame for incorporation of the locking unit. The strip jointed inner and outer profiles can be dual colour.

Assembly

The corner cleat allows a mitre cut assembly by par crimping or stainless steel Torx type screw pins. All the screws have the Torx head. The fixtures and visible gaskets are available in Grey and Black 7040

Sealing

Sealing between the fixed and opening frames is based on a double barrier curved gasket principle. The preliminary sealing is achieved by a dual hardness cellular EPDM central gasket, curved in the corners.

4 clipped corner pieces in the rebate ensure the longevity and maintenance of the central gasket.

Corner sealing is provided by the injection of butyl putty.

The second barrier using a curved casement gasket completes indoor sealing.

Infill

Identical infill for fixed and opening frames. The principle of aluminium onto aluminium clip-in glazing bead.

The set of 7 gaskets is curved, 1 outer gasket and 6 inner gaskets (Black or Grey 7040).

Infill from 4 to 42 mm without rebate widener, from 44 mm to 70 mm with a widener

Drainage

2 solutions on the façade or concealed

Façade drainage using oblong slots protected by a deflector.

Concealed drainage avoiding use of deflectors on fixed leaves and transoms.

Accessories

Handles

7 mm square drive handle

7 mm square drive handle with key.

Double lever handle for locking stile of French doors with reduced outer lug.

SOLEAL FY Visible frame version, side-hung windows and doors (continuation)



Locks

The operation of the various locks is by a monodirectional casement bolt mechanism concealed in the opening frame. Supports glazing weight of up to 130 kg per casement.

Options:

Open-in on lift-off hinges 2 adjustable arms or 3 sleeved arms up to 100 kg

Open-in lift-off sleeved and adjustable pivoting hinges for openings up to 130 kg

Tilt/turn and Tilt-first and turn only up to 130 kg

Bottom-hung

Mounting of pivoting devices for fixed frames / opening frame using insert and stainless steel Torx type screws.

Door lock offer assembly possible for French doors with locking jamb.

Composite frames

Units of mullions and transoms, single or double glazing beads with the possibility of tubular or flat steel reinforcement.

Mullion joints allowing back to back assembly of casements of the same module.

Reconstitution of rebate or insert groove based on multi usage profiles.

Incorporation of SOLEAL doors.

Possibility of incorporating a TOPAZE sliding door in the rebate.

Straight cut assembly using aluminium double end caps and stainless steel screwed pins of Torx type.