



# DOMAL 40

SLIDING, CASEMENT, LOUVERS, DOORS, SLIDING & FOLDING



# DOMAL 40

## Sliding System

Domal 40 sliding system offers various types of constructions such as:

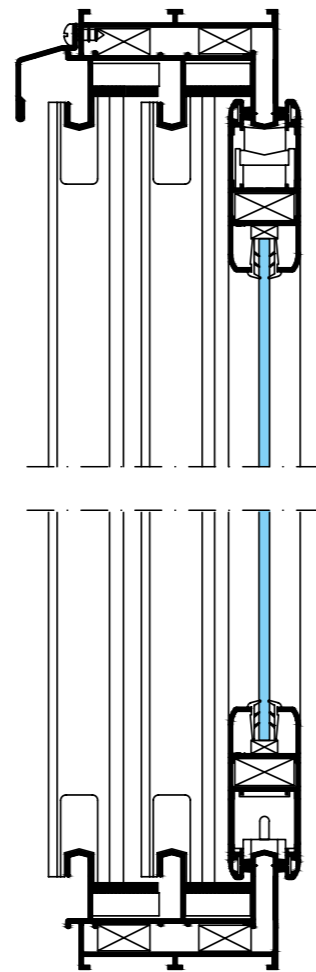
- 2, 3 and 4 windows and doors on 2 or 3 tracks.
- 6 sash windows and doors on 3 tracks.
- Mosquito mesh solution.
- Horizontal sliding window solution.

## Sliding Windows and Doors

The shutters slide open or close horizontally. Available in two-tracks option with mosquito mesh.

### Features

- 45 degree joints specially secured by captive die cast cleats which provide excellent rigidity to corner joints.
- Infill glass can be single or double glazed (thickness can vary from 5 to 19 mm).
- Wider track with polyamide rollers, tested at 90kgs load from 10.000 cycles for enhanced life.
- Siliconized EPDM gaskets for excellent air and water tightness.
- Nylon shutterpile for protection against dust ingress.
- No rattling sound at high wind speed.
- Counter sunk handles for profiles for better aesthetics.
- Wider track and deeper gutter for water drainage and easy maintenance.
- Theft guard provide against lifting of shutter from outside.
- Excellent insulation and sound reduction.



Sliding Windows  
Vertical section

## Casement System

Ideal for hot and tropical climates, Domal 40 is a complete system that stands for a good quality-price ratio and is designed with tradition and innovation.

Domal 40 casement system is the most standard system based on the simple concept of double rebate gasket with profiles of small dimensions aesthetically lighter. Domal 40 casement system enables the construction of various types of windows and doors:

- Fixed window, side hung window, top hung window, vertical pivoted window, Tilt & Turn window.
- Louver solution: fixed and adjustable louvers within fixed or opening shutters.
- Doors: 1 or 2 sash door, opening inside/outside, 1 or 2 sash swing door, opening both side.

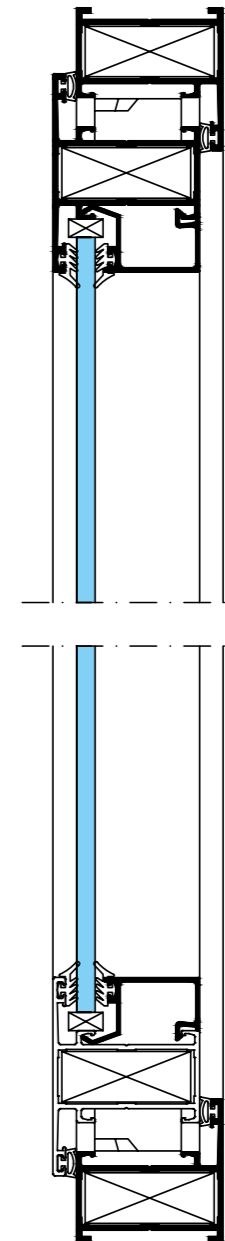
Domal 40 casement system enables various infill possibilities from 5 mm to 24 mm.

## Casement Windows

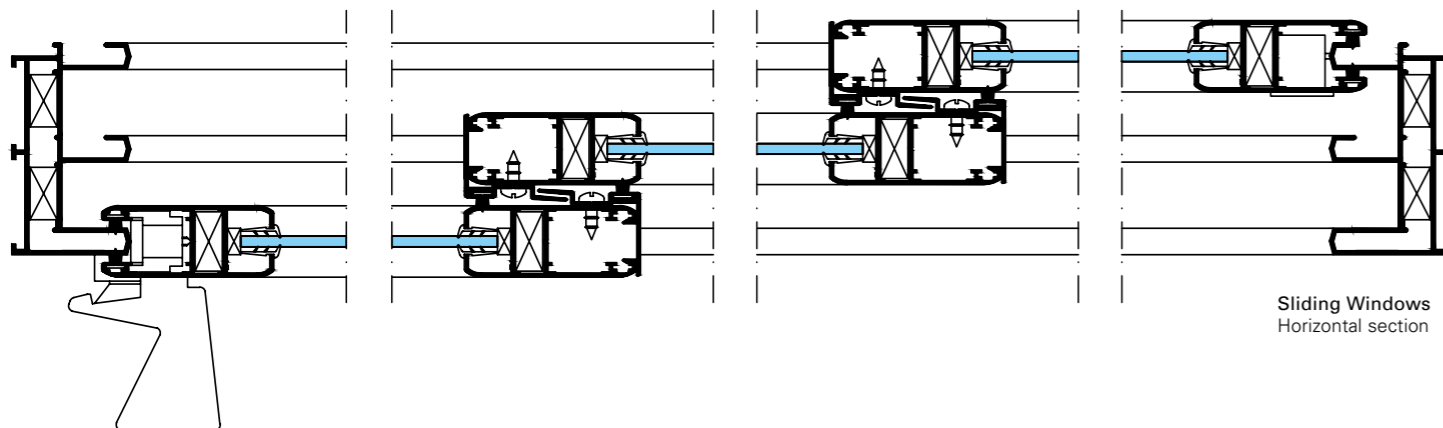
Windows with outside/inside opening shutters, hung from any side of the frame. The most common type of casement windows is with the side-hung shutter.

### Features

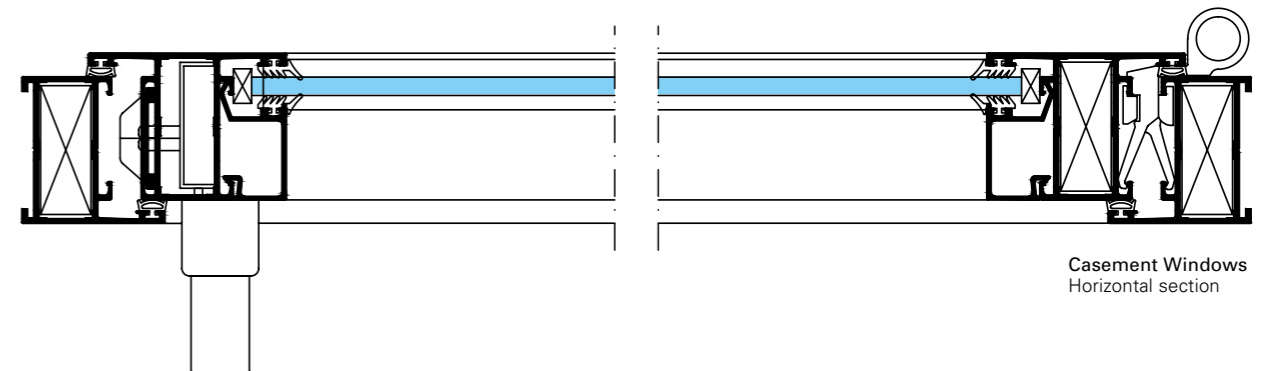
- 45 degree joints specially secured by captive die cast cleats which provide excellent rigidity to corner joints.
- Wide range of aluminium provides to meet wind and live loads as per requirement for different projects.
- Infill glass can be single or double glazed (thickness can vary from 5 to 24 mm).
- Multiple lock system prevents rattling sound at high wind speed.



Casement Windows  
Vertical section



Sliding Windows  
Horizontal section



Casement Windows  
Horizontal section



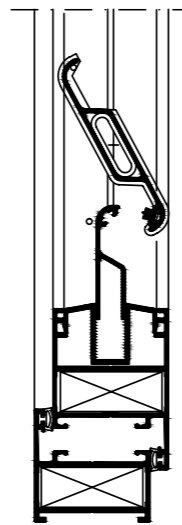
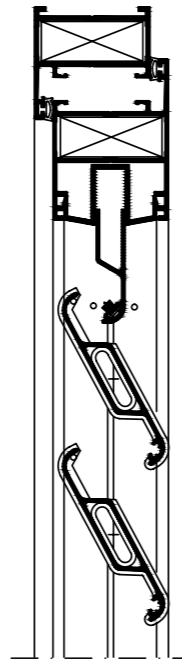
- Specially designed wedge clamped hinges to withstand shutter load up to 75kgs for smooth trouble free operation.
- Excellent insulation and noise reduction.
- Wide range of European handles/fittings to choose from.
- Long life Siliconised EPDM gaskets for excellent air and water tightness.
- Provision for water drainage.

## Louver Windows

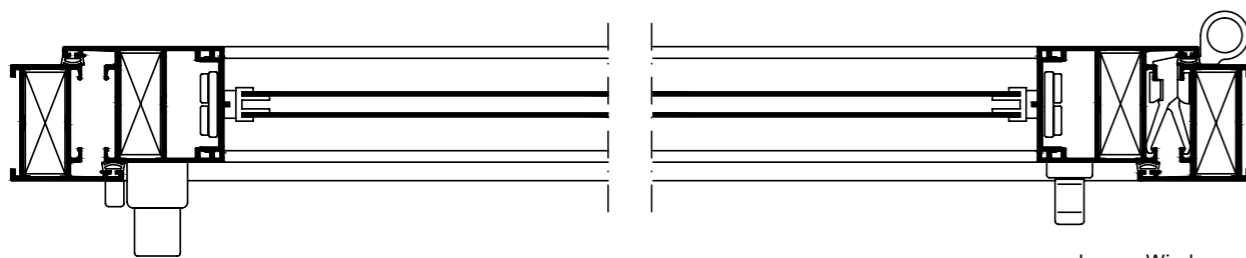
Windows with fixed/opening shutters, with options or fixed, adjustable and openable louvers

### Features

- 45 degree joint specially secured by captive die cast cleats which provide excellent rigidity to corner joints.
- Openable louvers are provided with opening adjusters which gives freedom of deciding the amount of ventilation/light required.
- Overlapping profiles with nylon brushes for openable louvers avoid dust ingress when louvers are closed.
- Multiple locking system for openable shutters prevents rattling sound due to high wind speed.
- Wide range of European handles/fittings to choose from.
- Louvers are fixed to slide in profiles rather than screwing on to the frame profiles.



Louver Windows  
Vertical section



Louver Windows  
Horizontal section

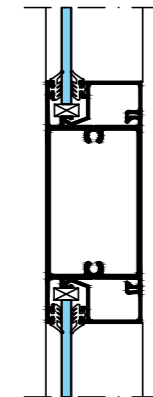
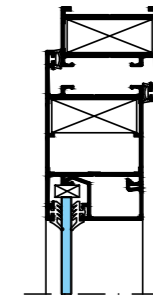
## Doors

Doors can be inside/outside opening with single/double shutters or swing/180 degree door combination along with locking facility.

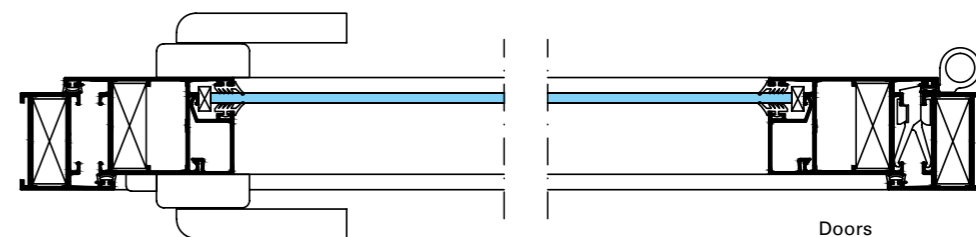
We also have a unique Sliding and Folding door range under Domal Garden, which can be installed as exterior walls or as internal partition walls and can be opened up when required.

### Features

- 45 degree joint specially secured by captive die cast cleats which provide excellent rigidity to corner joints.
- Screw-flutes provided wherever butt-joints is necessary.
- Infill glass can be single or double glazed (thickness can vary from 5 to 24 mm).
- Specially designed wedge clamped reversible hinges to withstand shutter load up to 120 kgs for smooth trouble free operation.
- Swing windows can be made with option of using floor springs. Double shutterpile for swing doors to prevent dust ingress.
- Door bottom sealed with a threshold or bottom sweep gasket.
- Wide range of European handles/fittings to choose from.
- Long life Siliconised EPDM gaskets for excellent air and water tightness.



Doors  
Vertical section



Doors  
Horizontal section



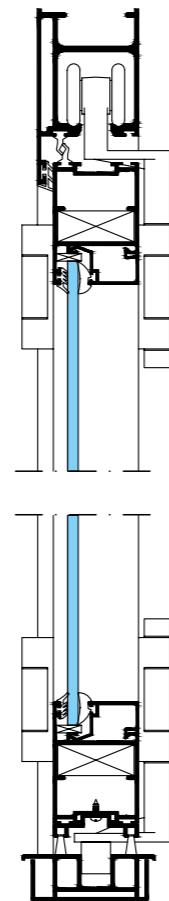
## Sliding & Folding

Domal 40 Sliding and Folding system is built up using a frame in which moveable parts or elements are placed in such a way that it is possible to slide/fold the elements to the left or right. These elements or sashes are supported by a roller mechanism which slides along the sill profile at the top, the mullion is guided by another roller mechanism. There are several possible combinations of elements and opening sashes.

Domal Garden is a sliding and folding door/ window systems. Perfectly adaptable to all constructions, Domal Garden offers the possibility to protect and make all commercial, public and domestic premises luminous.

### Features

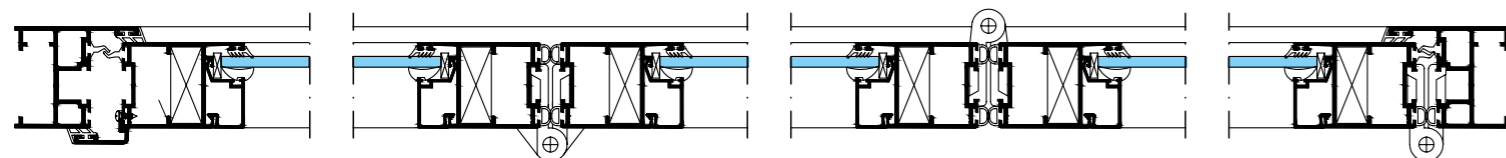
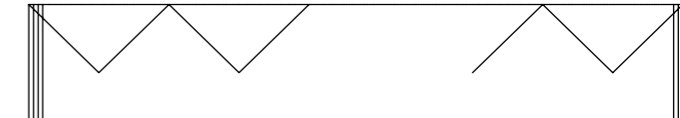
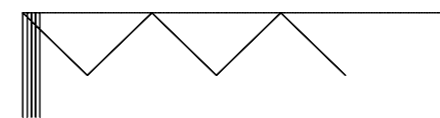
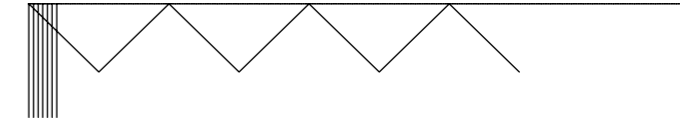
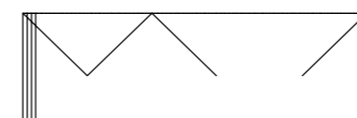
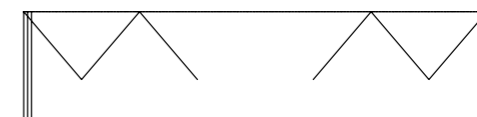
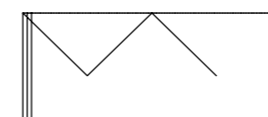
- This system is adapted for large dimensions up to 2.2 m high and 4 m wide and offers the possibility for collection of shutters in folded condition on either/ both sides.
- A double gasket barrier (central and peripheral) enables to reach high level of performance.



Sliding & Folding  
Vertical section

- Principle: opening frames are guided by a roller rail at the top. Bottom rail can be embedded.
- Infill glass can be single or double glazed or laminated board (thickness can vary from 4 to 24 mm).
- Equipped with retractable hinges for inside cleaning.
- Can be used as applications in Conservatories with folding doors (both sides).
- A conservatory can protect you from the sun and the rain, creating at the same time a link between inside and outside, between your family-life and the external world.
- A conservatory allows energy-saving, catching the light and the warmth of sun for the whole day during the winter, and allowing fresh air during the summer.

## Applications



Sliding & Folding  
Horizontal section

Sliding & Folding  
Standard Diagrams



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