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Jain's uPVC

Technical Specification



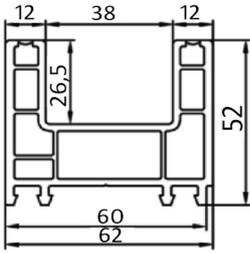
Upgrade your home & workplace with *Jain's* premium uPVC doors & windows

Energy Saving
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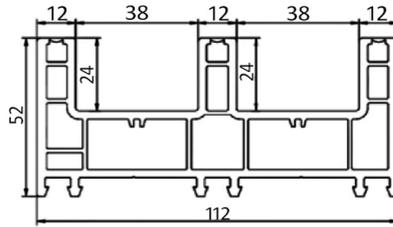
Giving your
home a new look

60 Series Sliding uPvc Profile

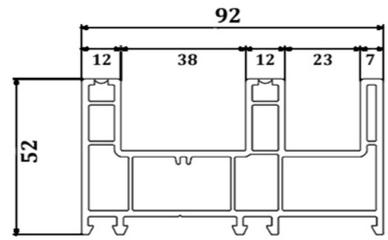
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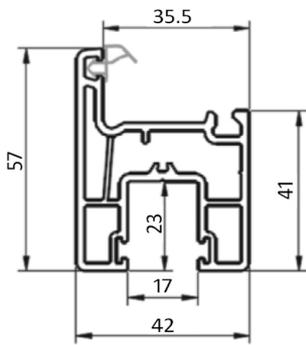
J60-2TF-6052
TWO TRACK SLIDING FRAME



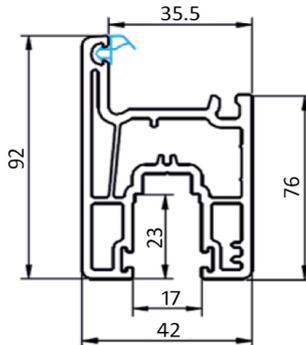
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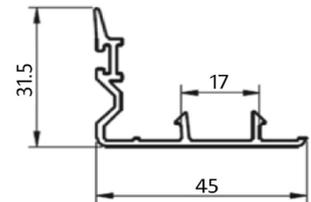
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2.5 TRACK SLIDING FLYMESH FRAME



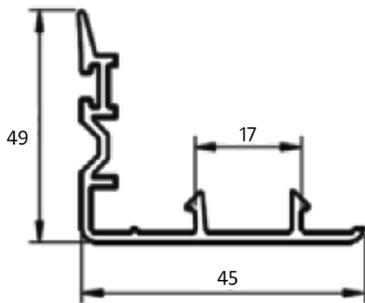
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SLIDING SASH



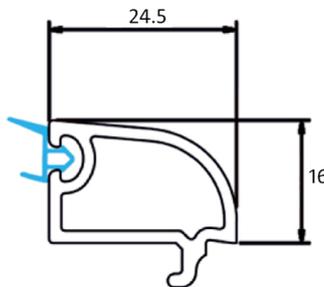
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SLIDING SUPER SASH



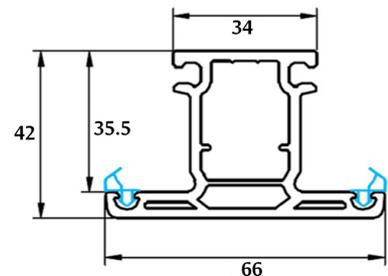
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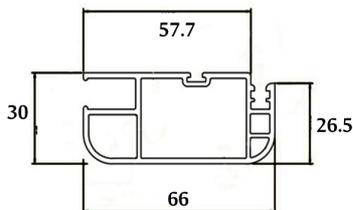
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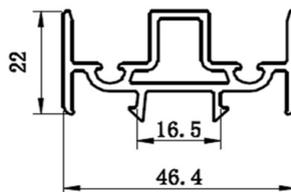
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SINGLE BEAD-5/6MM



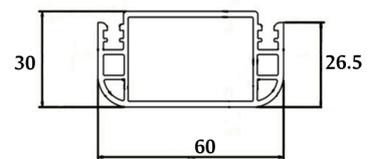
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SLIDING SASH MULLION



J60-MS-6630
MESH SASH

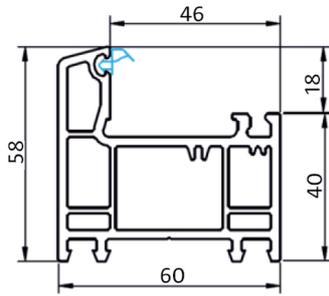


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LAP JOINT

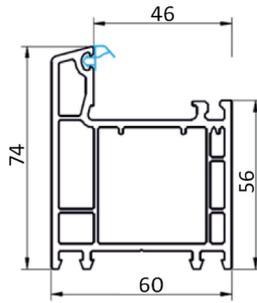


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MESH MULLION

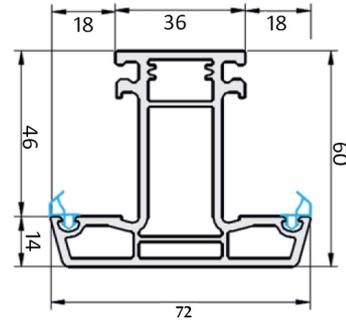
60 Series Casement uPvc Profile



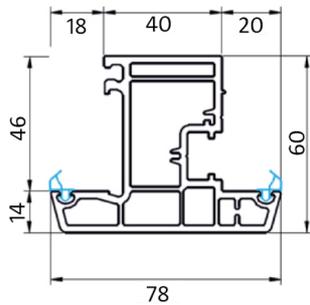
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CASEMENT OUTER FRAME



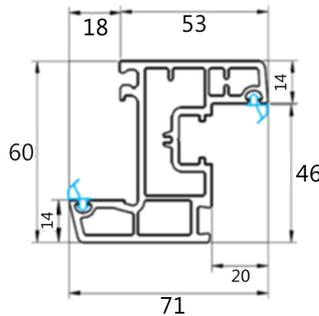
J60-CSF-6074
CASEMENT OUTER SUPER FRAME



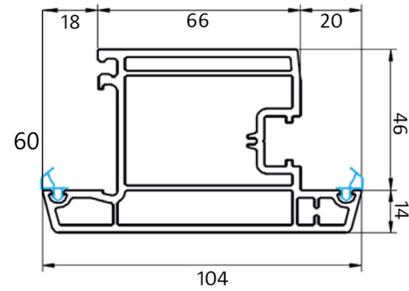
J60-CMO-7260
CASEMENT MULLION OUTWARD



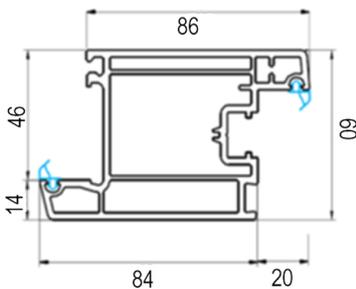
J60-COS-7860
CASEMENT OUTWARD SASH



J60-CIS-7160
CASEMENT INWARD SASH



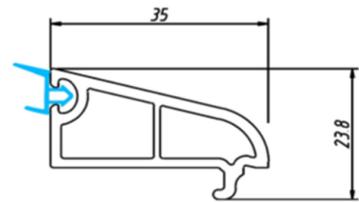
J60-COSS-10460
CASEMENT OUTWARD SUPER SASH



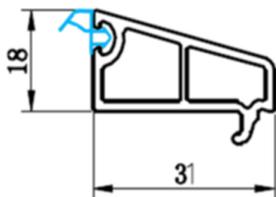
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CASEMENT INWARD SUPER SASH



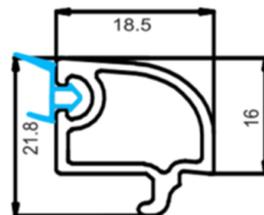
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CASEMENT MULLION INWARD



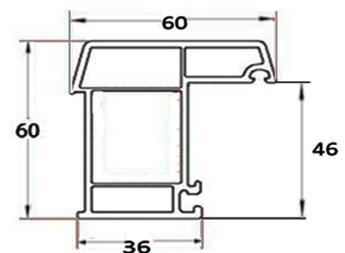
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CASEMENT BEAD - 5/6 MM



J60-CGB-3118
CASEMENT BEAD - 8 MM

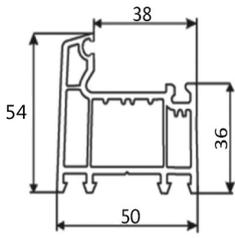


J60-CGB-1916
CASEMENT BEAD - 20 MM

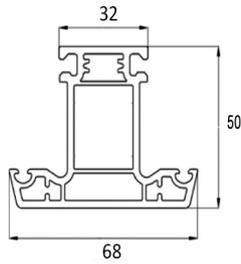


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CASEMENT FALSE MULLION

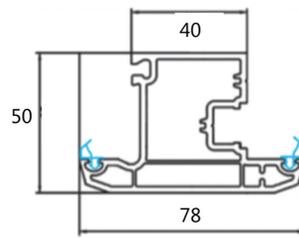
Casement 50 Series uPvc Profile



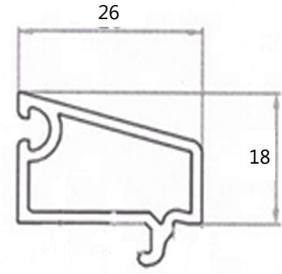
J50- CF-5054
CASEMENT FREAM



J50- CM-6850
CASEMENT MULLION

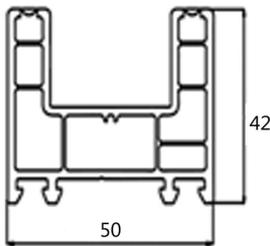


J50- COS-7850
CASEMENT OUTWARD SASH

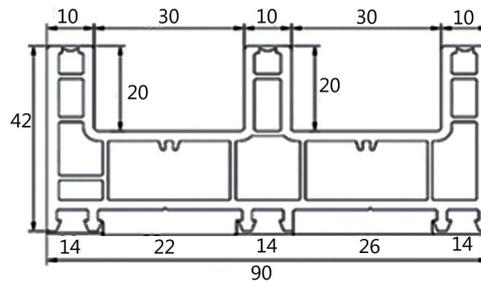


J50- CGB-2618
CASEMENT BEAD-5/6MM

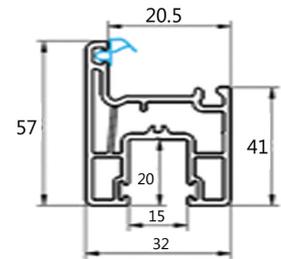
Sliding 50 Series uPvc Profile



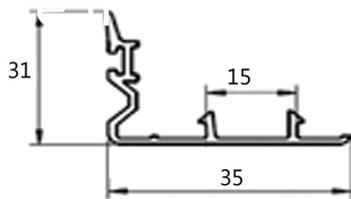
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TWO TRACK FRAME



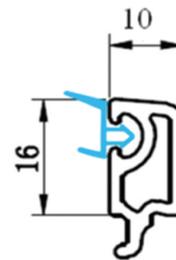
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THREE TRACK FRAME



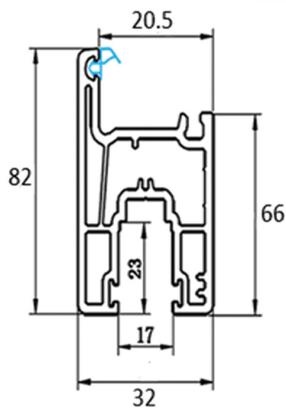
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SLIDING SASH



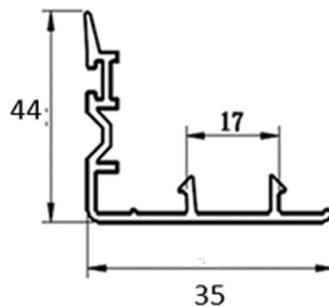
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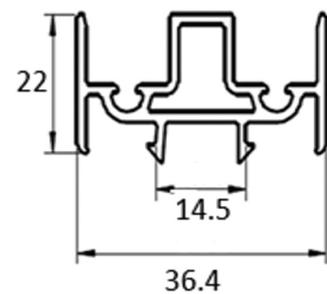
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SLIDING BEAD- 5/6MM



J50- SSS-3282
SLIDING SUPER SASH

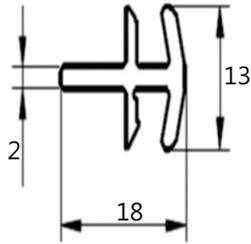


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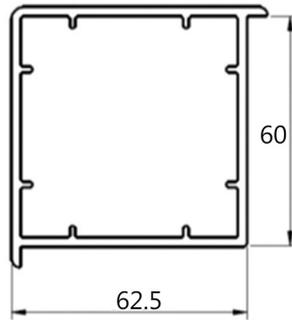


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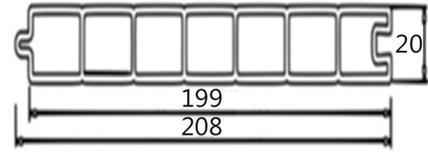
Auxiliary uPVC Profile



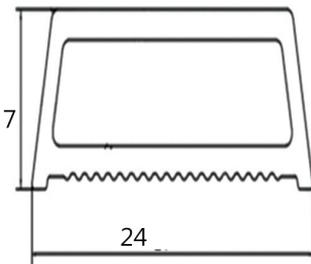
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COUPLER-2MM



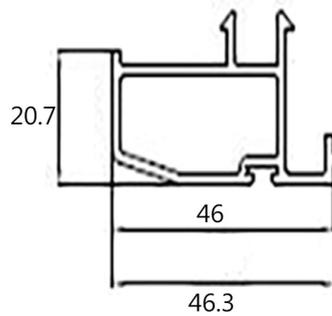
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BAY POLE-19



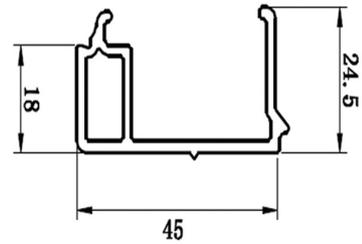
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MULTI PANEL



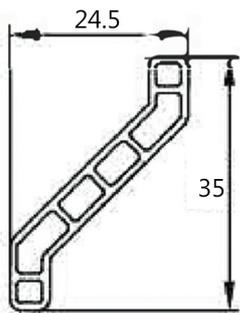
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GEORGIAN BAR



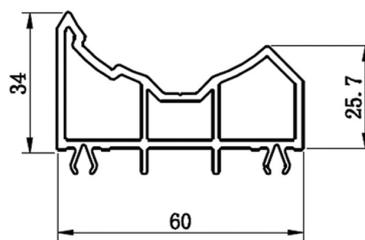
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CASEMENT DOOR BOTTOM CAP



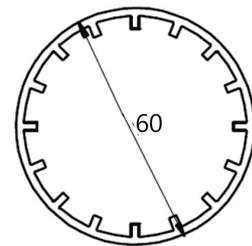
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LUVER CAP



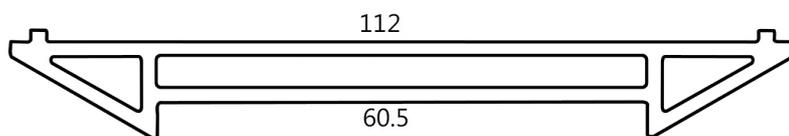
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LOUVER BLADE



JAI-6034
ROUND POLE CONNECTOR

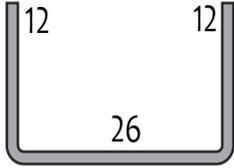


JAI-60
ROUND POLE

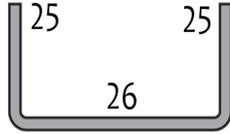


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COUPLER

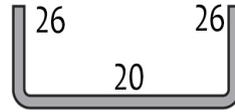
Sliding 60 Series GI Profile



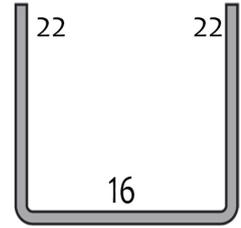
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J60-3TF-11252, J60-SS-4257



J60-SSS-4292

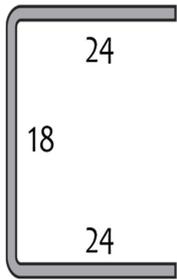


J60-MS-6630, J60-MM-6030

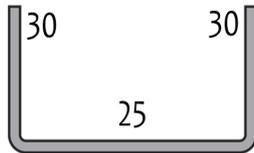


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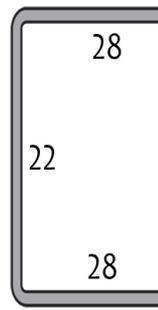
Casement 60, 50 Series GI Profile



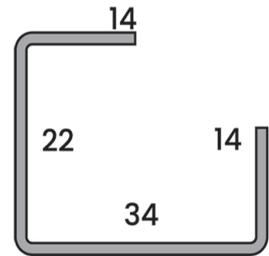
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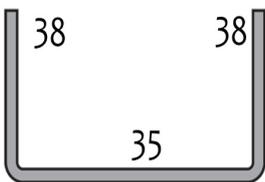
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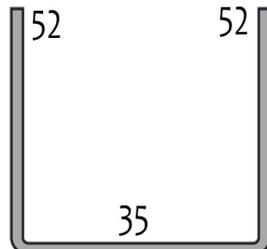
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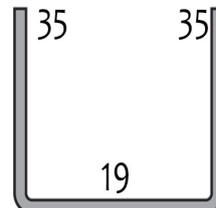
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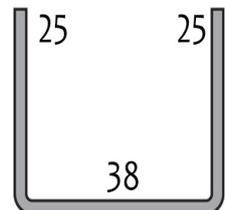
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J60-COSS-10460, J60-CISS-10460



J60-CMO-7260, J60-CMI-7260



J60-CIS-7160

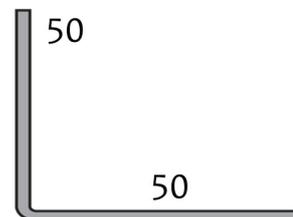
Sliding 50 Series GI Profile



J50-2TF-5042, J50-3TF-9042

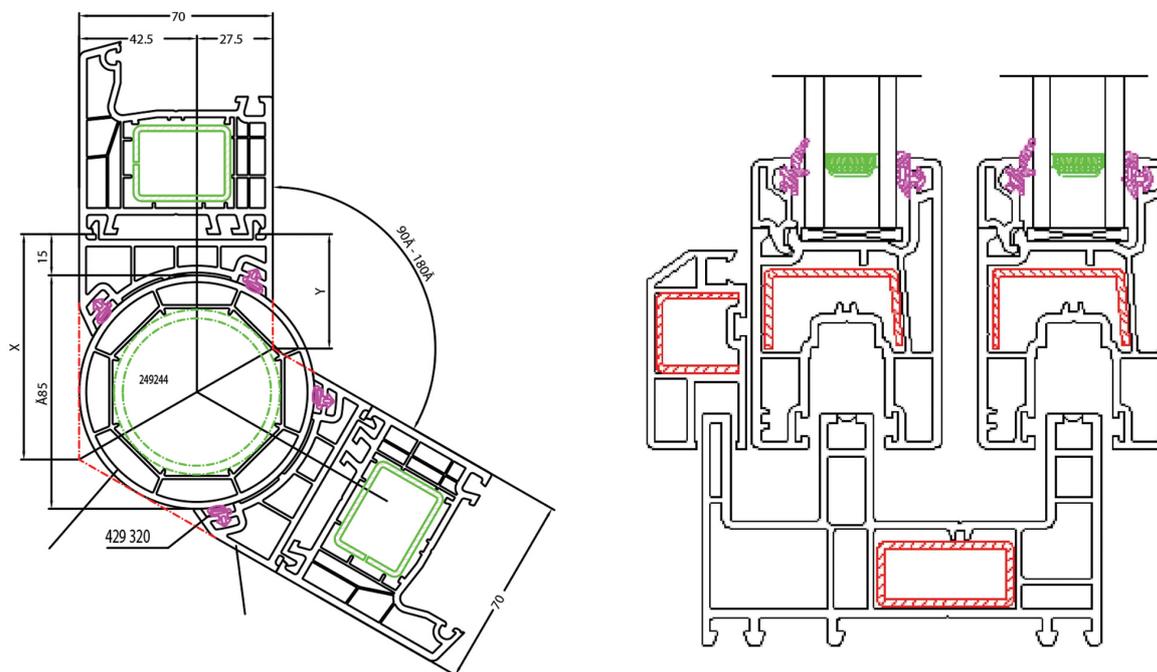


J60-SS-3257



JAI-6360

Cross Sectional Diagram



Beading Schedule

60's Sliding	Glass Thickness
J60-CGB-3524 Without Gasket	Mesh
J60-SGB-2516	5/6mm Glass
J50-CGB-2618	4/5mm Glass
J60-CGB-1916	12mm Glass
J50-SGB-1016	20mm DGU Glass /Multi Panel
60's Casement	Glass Thickness
J60-CGB-3524	5/6mm Glass
J60-CGB-3118	8mm Glass
J50-CGB-2618	12mm Glass
J60-CGB-1916	20mm DGU Glass /Multi Panel
50's Sliding	Glass Thickness
J60-CGB-1916 Without gasket	Mesh
J50-SGB-1016	5mm Glass
50's Casement	Glass Thickness
J60-SGB-2516	6mm Glass
J50-CGB-2618	5mm Glass
J60-CGB-1916	12mm Glass
J50-SGB-1016	20mm DGU Glass /Multi Panel

uPVC (Unplasticized Polyvinyl Chloride) window and door profiles are engineered fenestration systems designed to deliver superior performance in terms of structural strength, thermal insulation, weather resistance, and long-term durability. These profiles are manufactured with precision extrusion technology to ensure dimensional stability, smooth operation, and compatibility with multiple hardware and glazing options.

uPVC windows and doors are widely preferred for residential, commercial, and institutional applications due to their low maintenance, corrosion resistance, energy efficiency, and adaptability to various architectural designs. Depending on functional and aesthetic requirements, uPVC systems are available in multiple configurations such as sliding, casement, fixed, bay, combination, and specialty windows.

Types of uPVC Windows & Doors

A wide range of uPVC window and door systems is available to suit diverse design, ventilation, and space-utilization requirements. The commonly used configurations are detailed below.

Sliding uPVC Windows & Doors

Sliding uPVC systems operate on horizontal or vertical tracks using precision rollers, enabling smooth movement within the defined frame space. These systems are ideal for locations where space optimization is critical and are suitable for large openings.

Types of Sliding Windows & Doors

Windows & Doors Name	Series	Frame	Sash	Mullion	Beading	Interlock
Two Track Sliding Windows	60	J60-2TF-6052	J60-SS-4257	J60-SM-6642	J60-SGB-2516, J50-SGB-1016	J60-IL-4532
2.5 Track Sliding Windows	60	J60-2.5TF-9252	J60-SS-4257, J60-MS-6630	J60-SM-6642, J60-MM-6030	J60-SGB-2516, J50-SGB-1016	J60-IL-4532
Three Track Sliding Window	60	J60-3TF-11252	J60-SS-4257	J60-SM-6642	J60-SGB-2516, J50-SGB-1016	J60-IL-4532
Two Track Sliding Windows	50	J50-2TF-5042	J50-SS-3257	X	J50-SGB-1016	J50-IL-3531
Three Track Sliding Window	50	J50-3TF-9042	J50-SS-3257	X	J50-SGB-1016	J50-IL-3531
Two Track Sliding Doors	60	J60-2TF-6052	J60-SSS-4292	J60-SM-6642	J60-SGB-2516, J50-SGB-1016	J60-IL-4549
2.5 Track Sliding Doors	60	J60-2.5TF-9252	J60-SSS-4292, J60-MS-6630	J60-SM-6642, J60-MM-6030	J60-SGB-2516, J50-SGB-1016	J60-IL-4549
Three Track Sliding Doors	60	J60-3TF-11252	J60-SSS-4292	J60-SM-6642	J60-SGB-2516, J50-SGB-1016	J60-IL-4549

Casement / French uPVC Windows & Doors

Casement systems are side-hinged designs that allow inward or outward opening. These systems provide excellent ventilation, airtight sealing, and are compatible with multi-point locking hardware, making them suitable for modern architectural applications.

Types of Casement Windows & Doors

Windows & Doors Name	Series	Frame	Sash	Mullion	Beading	Interlock
Windows	60	J60-CF-6058	J60-COS-7860, J60-CIS-7160	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Windows	50	J50-CF-5054	J50-COS-7850	J50-CM-6850	J50-CGB-2618, J60-CGB-1916	X
Doors	60	J60-CSF-6074	J60-COSS-10460, J60-CISS-10460	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X

Fixed uPVC Full Partition (Picture Windows)

Fixed uPVC partitions, also referred to as picture windows, are non-operable systems designed primarily for daylight penetration and aesthetic enhancement. These systems are ideal for locations where ventilation is not required.

Types of Partition

Partition Name	Series	Frame	Sash	Mullion	Beading	Interlock
Partition	60	J60-CF-6058, J60- CSF-6074	X	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Partition	50	J50-CF-5054	X	J50-CM-6850	J50-CGB-2618, J60-CGB-1916	X

Bay uPVC Windows & Doors

Bay window systems extend outward from the main wall structure, enhancing interior space, daylight intake, and aesthetic appeal. These systems utilize a dedicated **Bay Pole Profile (CP-90)** to ensure structural integrity and alignment.

Types of Bay windows & Doors

Windows & Doors Name	Series	Frame	Sash	Mullion	Beading	Interlock
Sliding Bay Window	60	J60-2TF-6052, J60-3TF-11252, J60-2.5TF-9252	J60-SS-4257, J60-MS-6630	J60-SM-6642, J60-MM-6030	J60-SGB-2516, J50-SGB-1016	J60-IL-4532
Sliding Bay Door	60	J60-2TF-6052, J60-3TF-11252, J60-2.5TF-9252	J60-SS-4257, J60-MS-6630	J60-SM-6642, J60-MM-6030	J60-SGB-2516, J50-SGB-1016	J60-IL-4549
Sliding Bay Window	50	J50-2TF-5042, J50-3TF-9042	J50-SS-3257	X	J50-SGB-1016	J50-IL-3531
Casement Bay Window	60	J60-CF-6058	J60-COS-7860, J60-CIS-7160	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Casement Bay Door	60	J60-CSF-6074	J60-COSS-10460, J60-CISS-10460	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Casement Bay Window	50	J50-CF-5054	J50-COS-7850	J50-CM-6850	J50-CGB-2618, J60-CGB-1916	X

Combination uPVC Windows & Doors



Combination systems integrate multiple window or door configurations within a single frame to accommodate larger openings and complex architectural requirements. These systems allow flexibility in design while maintaining structural performance.

Types of Combination windows & Doors

Windows & Doors Name	Series	Frame	Sash	Mullion	Beading	Interlock
Combination Window	60	J60-2TF-6052, J60-3TF-11252, J60-2.5TF-9252, J60-CF-6058	J60-SS-4257, J60-MS-6630, J60-COS-7860, J60-CIS-7160	J60-SM-6642, J60-MM-6030, J60-CMO-7260, J60-CMI-7260	J60-SGB-2516, J50-SGB-1016, J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	J60-IL-4532
Combination Door	60	J60-2TF-6052, J60-3TF-11252, J60-2.5TF-9252, J60-CSF-6074	J60-SS-4257, J60-MS-6630, J60-COSS-10460, J60-CISS-10460	J60-SM-6642, J60-MM-6030, J60-CMO-7260, J60-CMI-7260	J60-SGB-2516, J50-SGB-1016, J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	J60-IL-4549
Combination Window	50	HF-50, HF-90, BR-54	J50-SS-3257, J50-COS-7850	J50-CM-6850	J50-CGB-2618, J50-SGB-1016, J60-CGB-1916	J50-IL-3531

Toilet uPVC Louvered, Top Hung, Exhaust Fan Windows

These systems are specifically designed for utility areas such as toilets and service spaces, providing controlled ventilation, privacy, and moisture resistance.

Types of Louvered, Top Hung, Exhaust Fan windows

Windows & Doors Name	Series	Frame	Sash	Mullion	Beading	Interlock
Toilet Louver Window	60	J60-CF-6058	X	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Toilet Top Hung Window	60	J60-CF-6058	J60-COS-7860, J60-CIS-7160	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Toilet Fixed With Exhaust Fan Window	60	J60-CF-6058	X	J60-CMO-7260, J60-CMI-7260	J60-CGB-3524, J60-CGB-3118, J60-CGB-1916	X
Toilet Louver Window	50	J50-CF-5054	X	J50-CM-6850	J50-CGB-2618, J60-CGB-1916	X
Toilet Top Hung Window	50	J50-CF-5054	J50-COS-7850	J50-CM-6850	J50-CGB-2618, J60-CGB-1916	X
Toilet Fixed With Exhaust Fan Window	50	J50-CF-5054	X	J50-CM-6850	J50-CGB-2618, J60-CGB-1916	X

Sliding & Casement uPVC Windows & Doors With Georgian Bar

Georgian Bars are decorative profile inserts used to create a classic segmented glass appearance without compromising structural performance. These bars are integrated within sliding and casement systems.

Profile Used: JAI-2407

TPE Comparison to EPDM Advantages

- ▶ Lower density % 20-25
- ▶ % 100 Recyclable
- ▶ Comp. set properties are better at elevated temperatures
- ▶ Shorter cycle time
- ▶ Suitable for co-injection and co-extrusion Easily
- ▶ colourable with masterbatches Better sealing performance
- ▶ EPDM has black carbon migration problem
- ▶ No curing step necessary
- ▶ No scrap during production
- ▶ Low production cost

uPvc Profile - Internal Qc Report

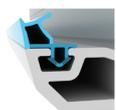
SL NO	Description of Test	Standard	Specified Parameter	Observation
1	Flammability	LU94	Vo	Vo
2	Density	ASTM D792	Not to exceeded 1.5	1.44
3	Heat Revision Test	BS4985/2000	Should not be greater than 2.0%	1.95%
4	Surface Spread of Flame	BS476 Part 7	Classification 1	1
5	Ignitability Evolution	BS476 Part 5	'P' Not easily Ignitable	'P'
6	Mean Breaking Stress for Welded Corner	En514	Should not be lesser than 25 nm2	28nm2
7	Ball Impact Test	Pass	Should not even dent	pass

Tested and Prepared by

QC Manager



Lead Free



TPE Grey Gasket



Fire Retardant



TERMITE



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