

Duroplast[®]

uPVC Window & Door Systems



GENERAL TECHNICAL CATALOGUE

Duroplast®

uPVC Window & Door Systems

Duroplast is one of the leading manufacturer of uPVC profiles for windows & doors in Eastern India. Our profiles conform to **BS EN 12608** standard and come with a special formulation for tropical Indian climate with special additives that ensures long durability to the windows & doors.

Our well developed state-of-the-art infrastructure is spread across 3 manufacturing facilities in and around Kolkata and has international standard extrusion machinery for manufacturing uPVC profiles. We also have fabrication unit for uPVC windows & doors with all the advanced machineries & necessary equipment which are managed and maintained by qualified professionals.

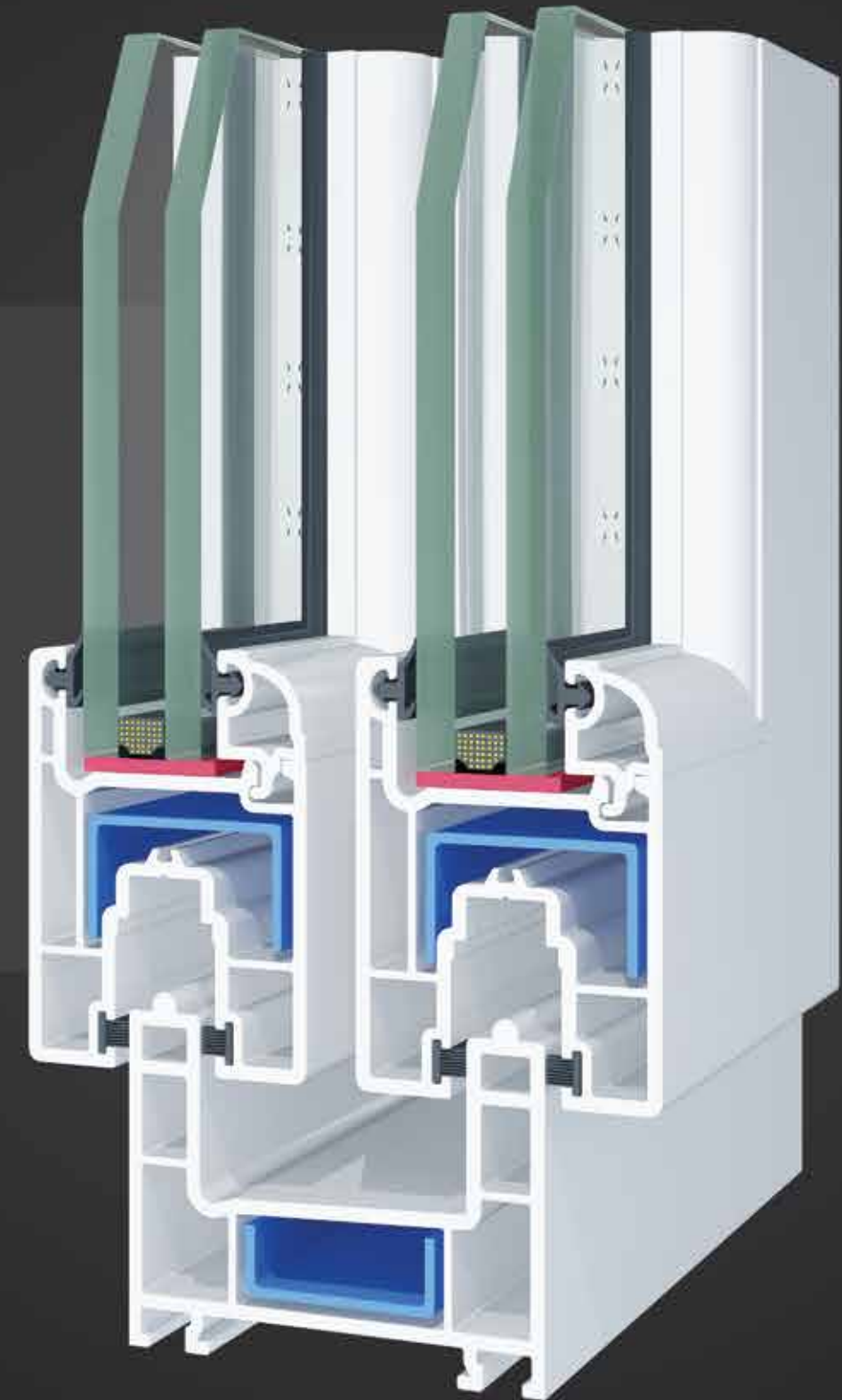
We abide by the best business values and ethics and stringently adhere to our quality policies. Our dedicated customer support team works round the clock and helps us to provide an optimum solution to our clients' problems.

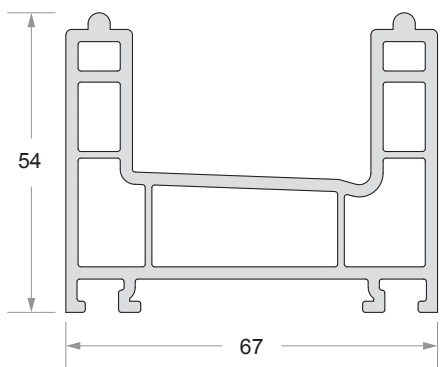
At Duroplast, innovation is a way of life. It is this passion, which keeps us ahead of the curve. We keep on improving quality and performance of our products and our strenuous efforts towards this direction helps us to gain client's satisfaction and appreciation from the customers all over India. Our products have been widely used and accepted in Central Government & State Government Departments, public undertakings and by leading builders, architects and private undertakings.

Duroplast has been in the business of manufacturing PVC profiles for Doors, Frames, False Ceiling & Custom Moulded Profiles since 1986 and is an undisputed leader in the Eastern India market. Apart from providing end-to-end solutions in PVC & uPVC Window and Door Systems, the group has got diverse business interests including manufacturing of Modular Furniture, Prefab Shelters, Porta Cabin, PUF Slabs & Sandwich Panels and Roofing Sheets.

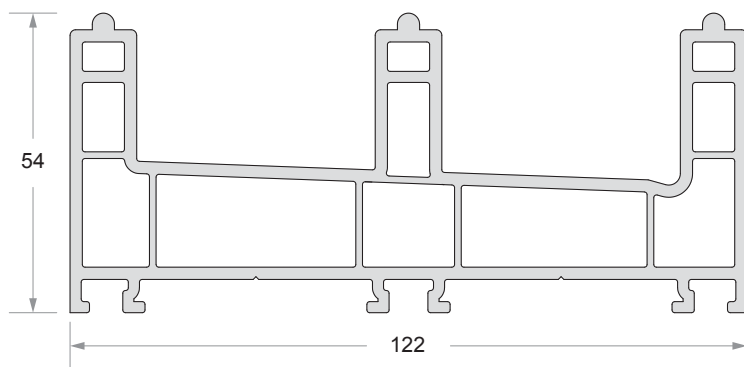


Elite 67 Series
SLIDING WINDOWS & DOORS

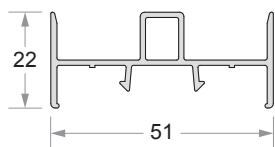




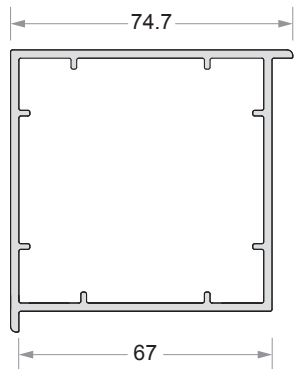
2 Track Sliding Frame
Code No : DP - 701



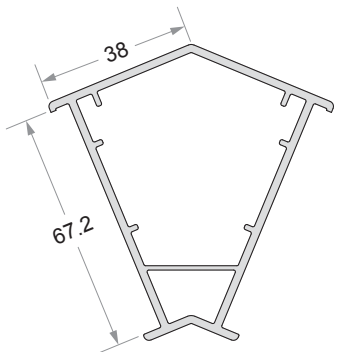
3 Track Sliding Frame
Code No : DP - 702



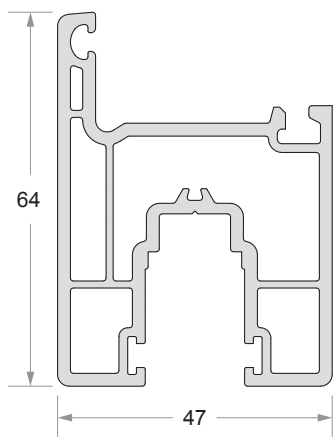
Sash Joint
Code No : DP - 708



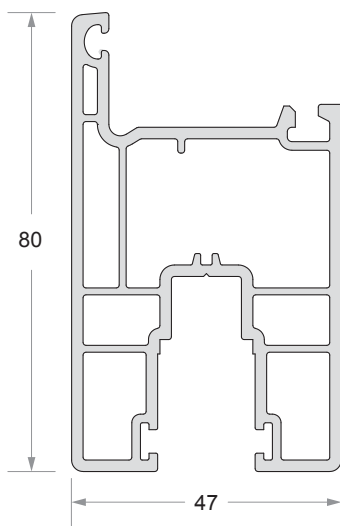
Corner Coupler 90°
Code No : DP - 711



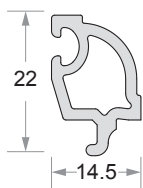
Corner Coupler 135°
Code No : DP - 712



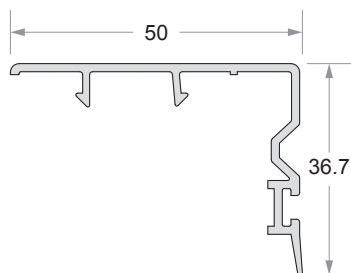
Sliding Window Sash
Code No : DP - 703



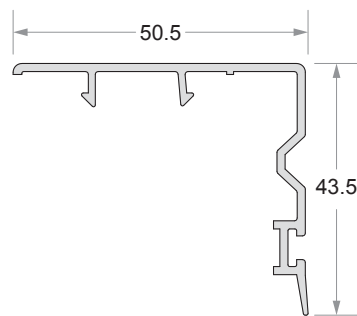
Sliding Door Sash
Code No : DP - 704



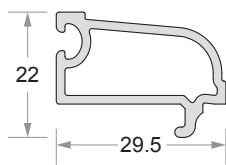
Double Glazing Bead
(20mm)
Code No : DP - 507



Window Interlock
Code No : DP - 705

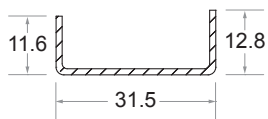


Door Interlock
Code No : DP - 706

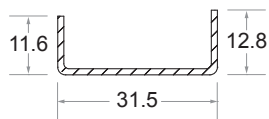


Single Glazing Bead
(4-6mm)
Code No : DP - 707

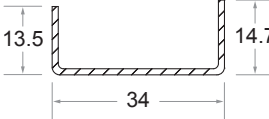
REINFORCEMENT PROFILES



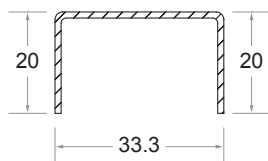
2 Track
Code No : ST - 701



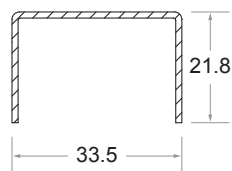
3 Track
Code No : ST - 702 - 1



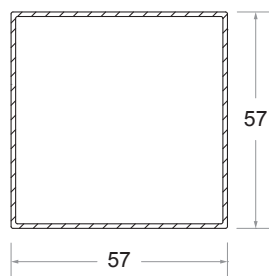
3 Track
Code No : ST - 702 - 2



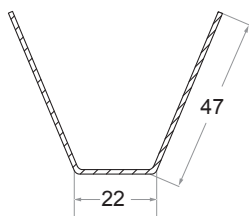
Window Sash
Code No : ST - 703



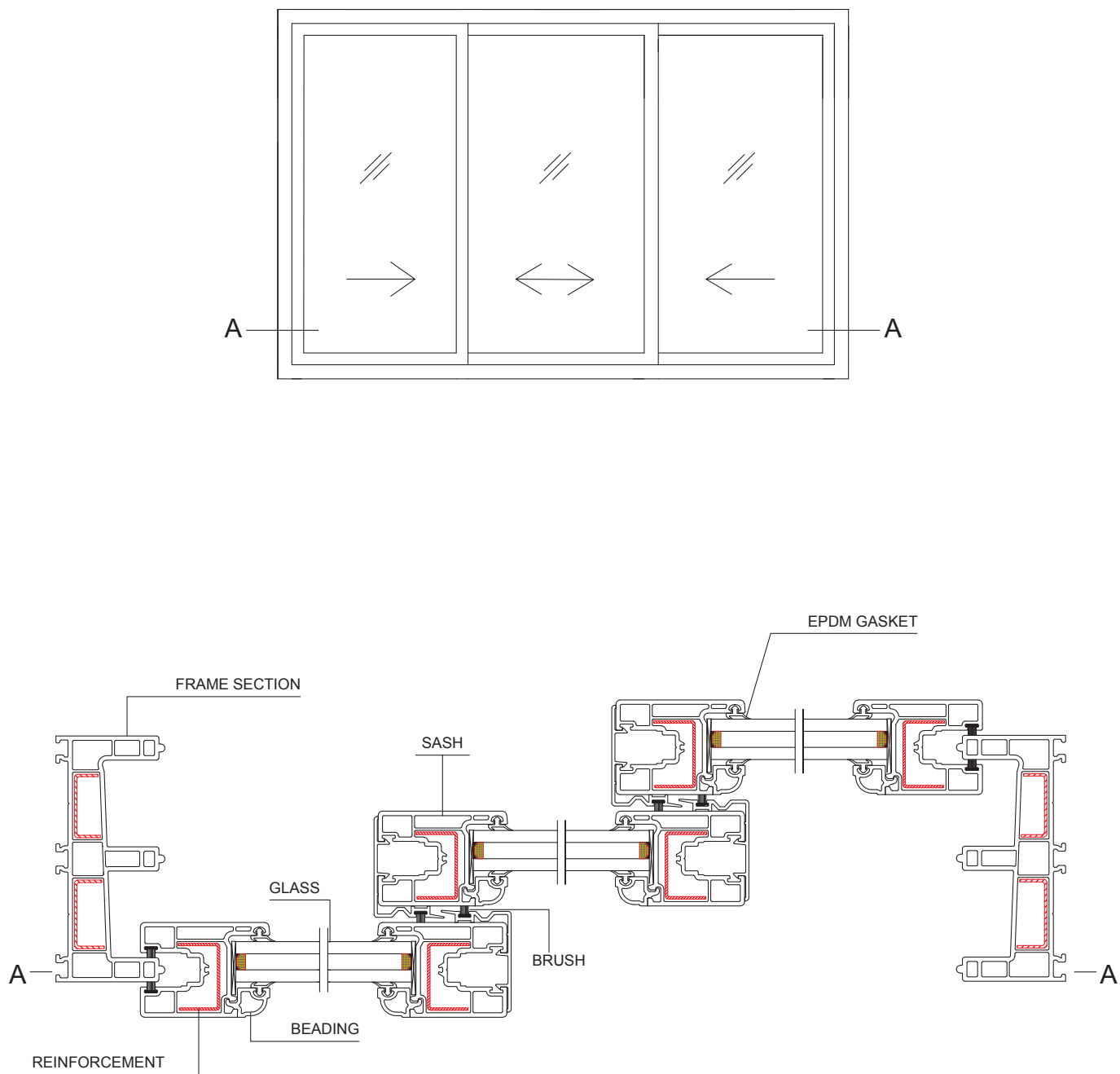
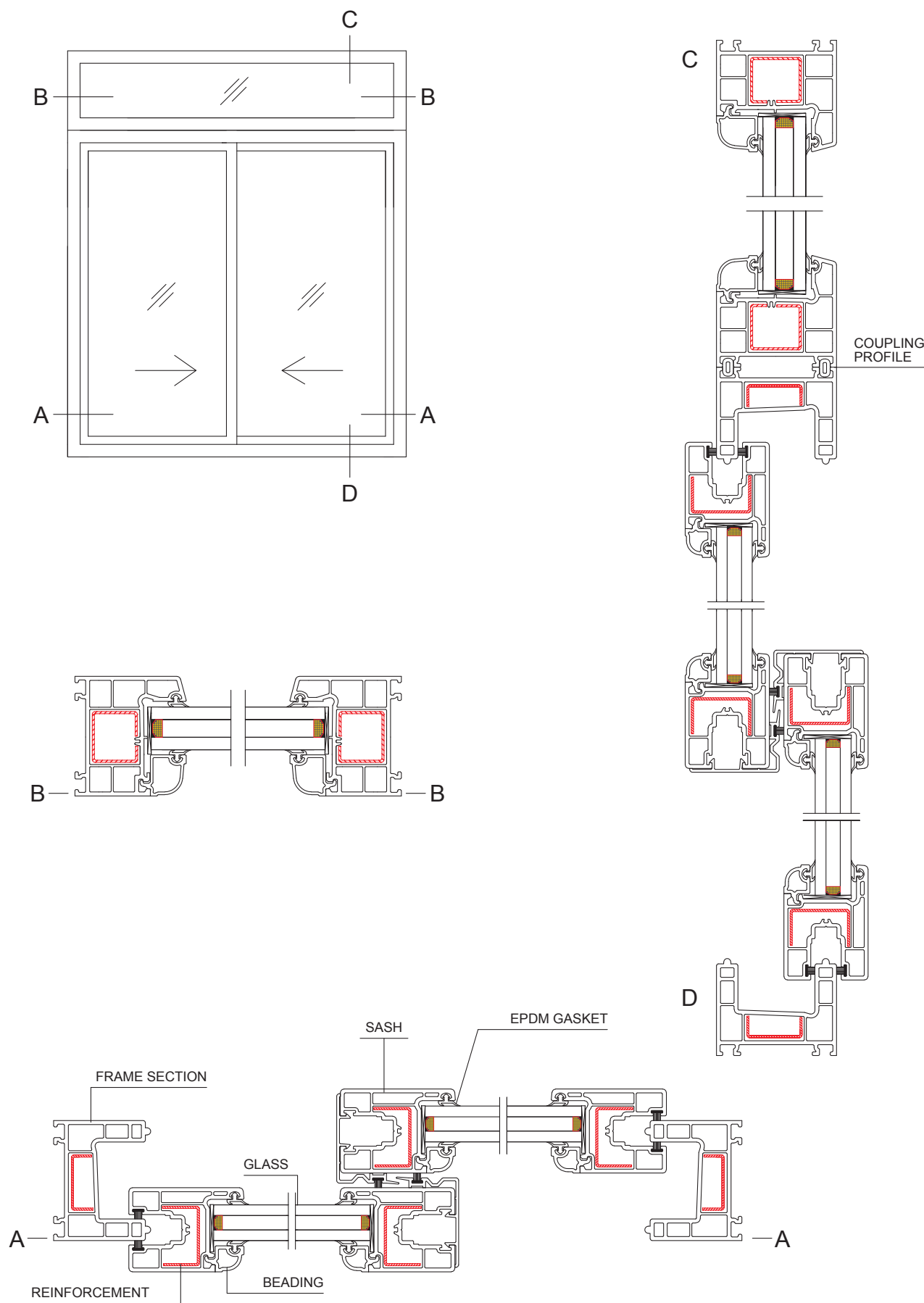
Door Sash
Code No : ST - 704

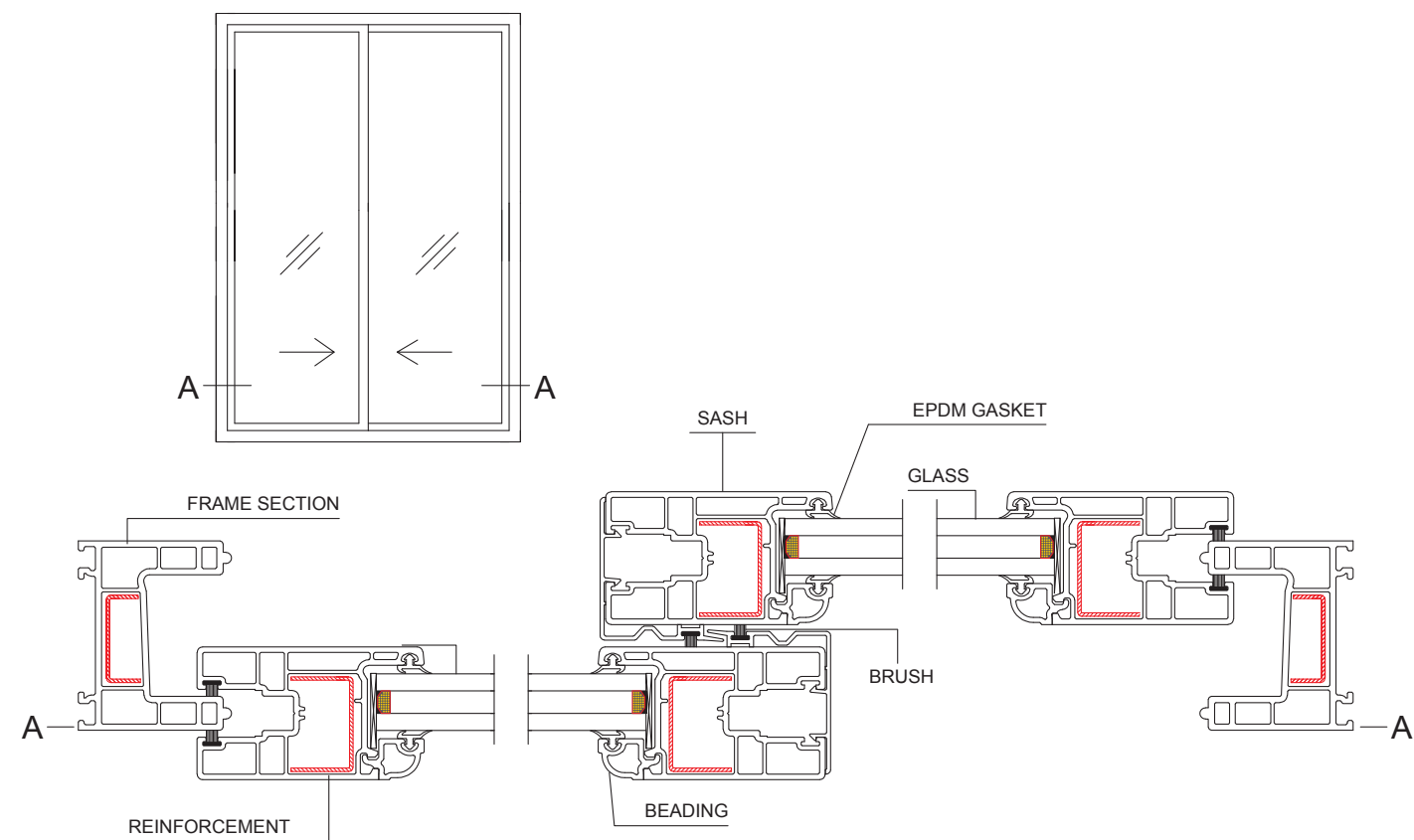


Corner Coupler 90°
Code No : ST - 711

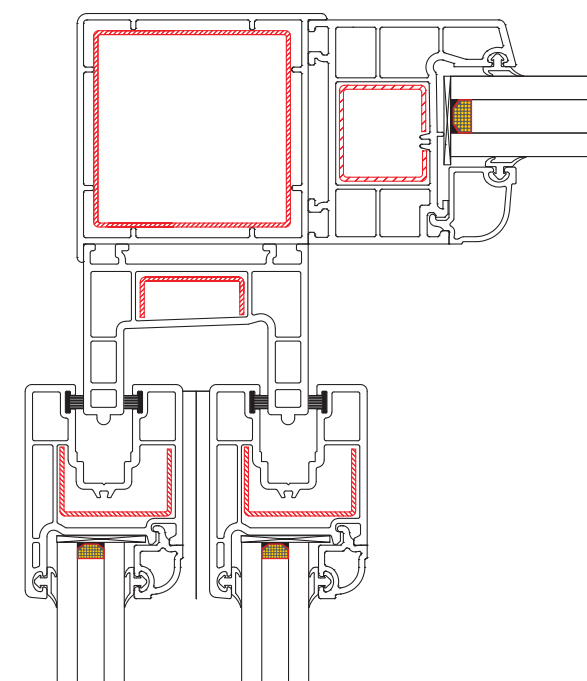
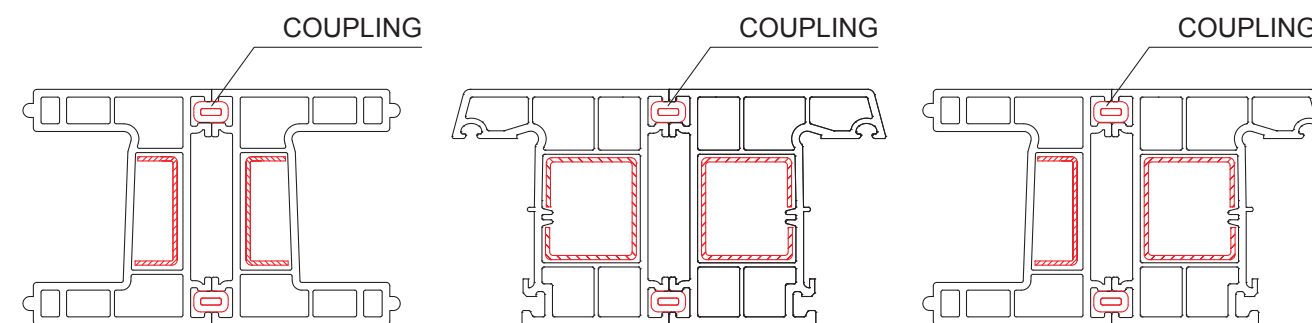
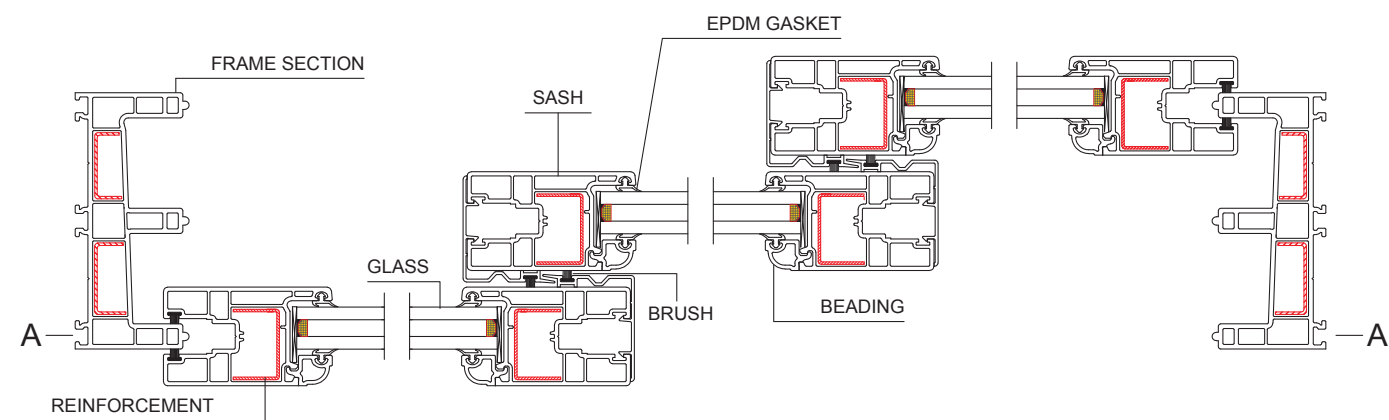
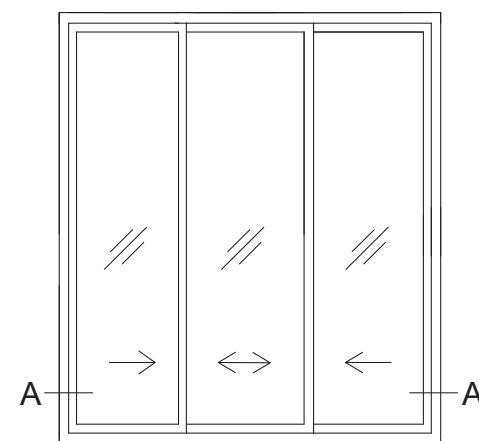


Corner Coupler 135°
Code No : ST - 712

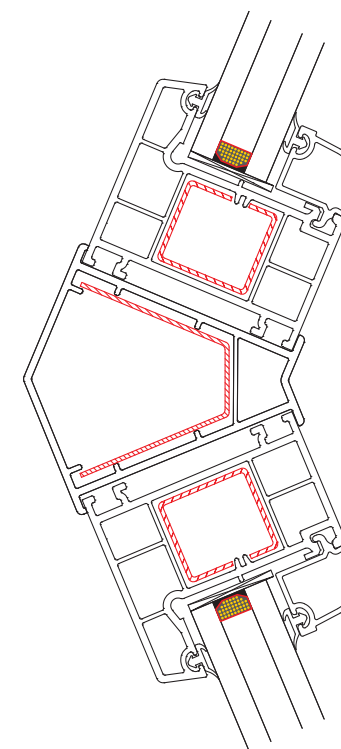




3 TRACK SLIDING DOOR



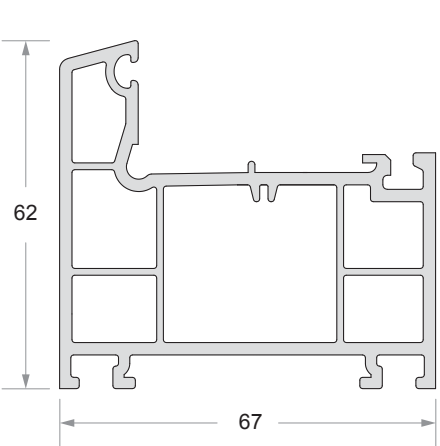
CORNER ASSEMBLY 90°



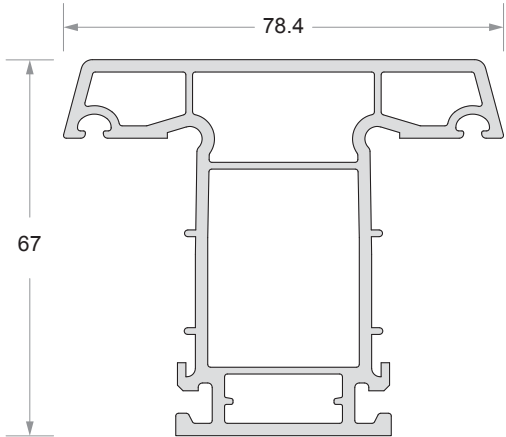
CORNER ASSEMBLY 135°

Elite 67 Series
CASEMENT WINDOWS & DOORS

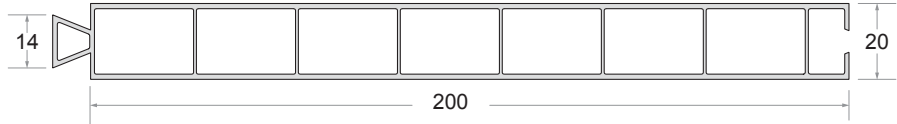




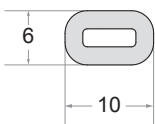
Casement Frame
Code No : DP - 751



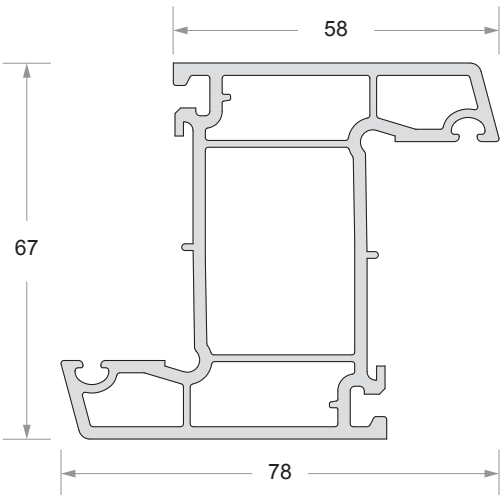
Sash / Mullion
Code No : DP - 752



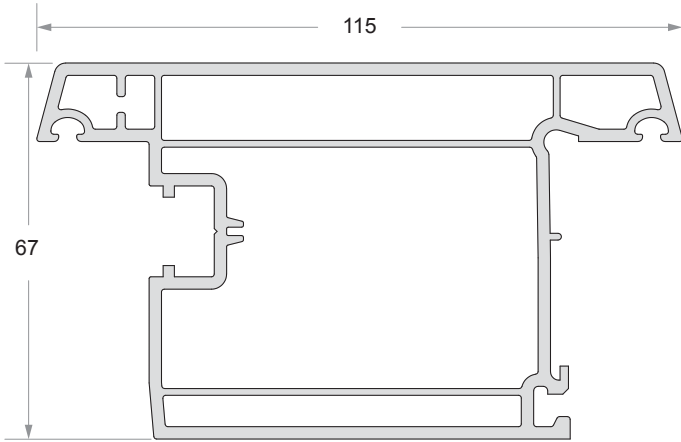
Panel
Code No : DP - 760



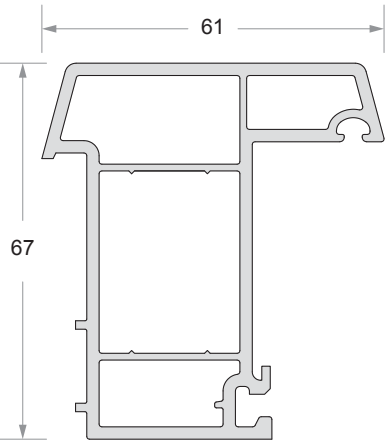
Coupling Profile
Code No : DP - 555



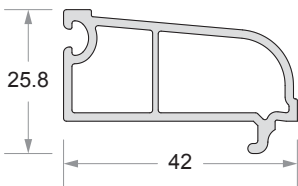
'Z' Mullion
Code No : DP - 753



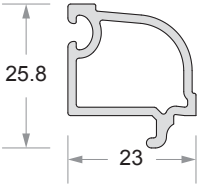
Door Sash
Code No : DP - 756



False Mullion
Code No : DP - 757

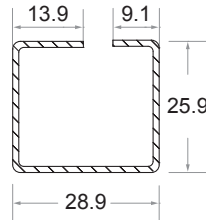


Single Glazing Bead
(4 - 6mm)
Code No : DP - 754

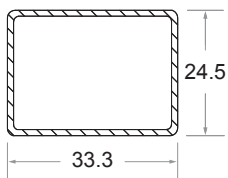


Double Glazing Bead
(24mm)
Code No : DP - 755

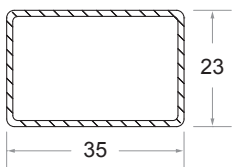
REINFORCEMENT PROFILES



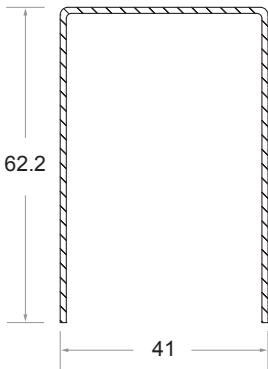
Casement Frame
Code No : ST - 751



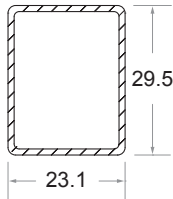
Sash / Mullion
Code No : ST - 752



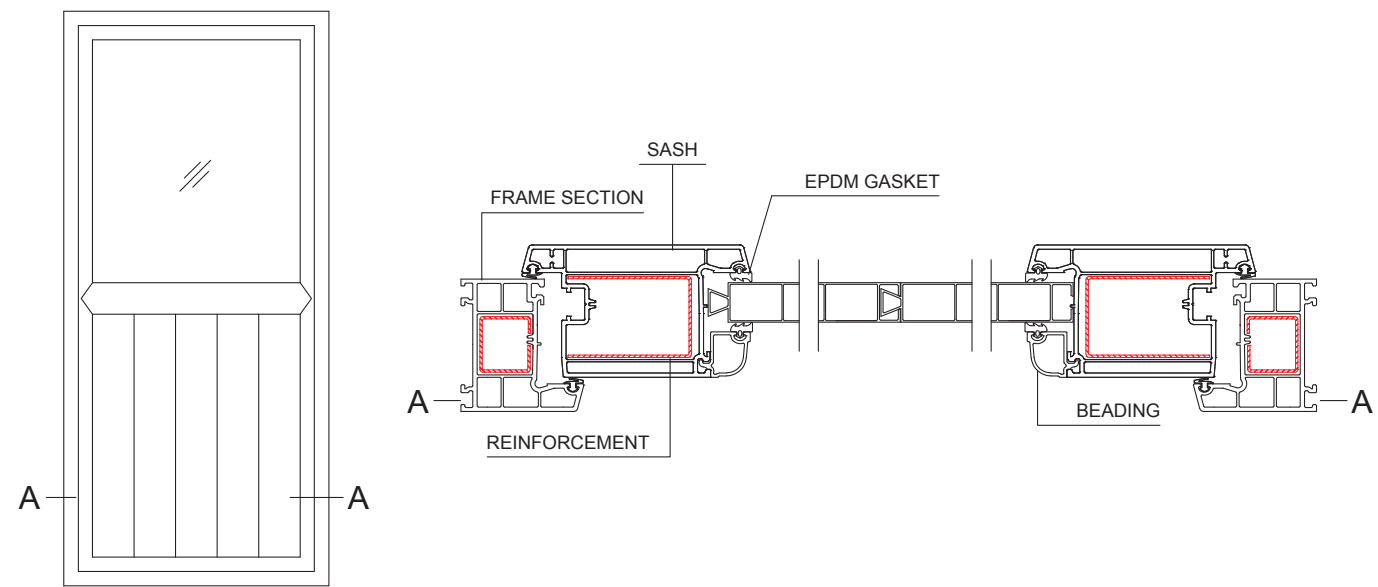
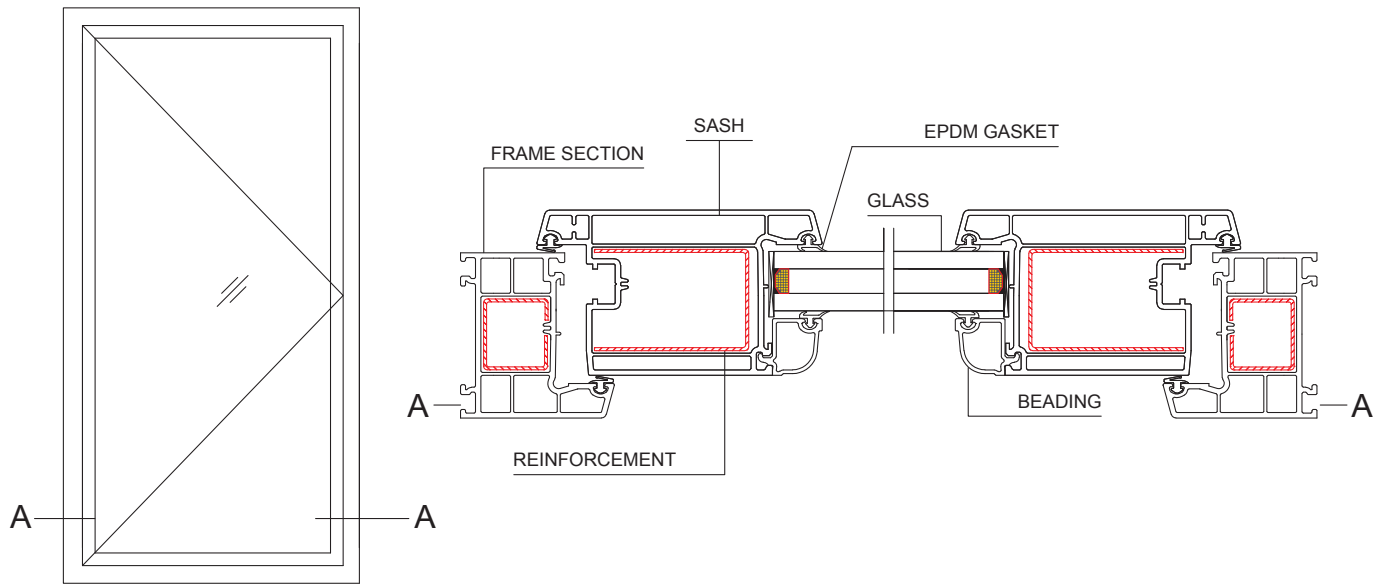
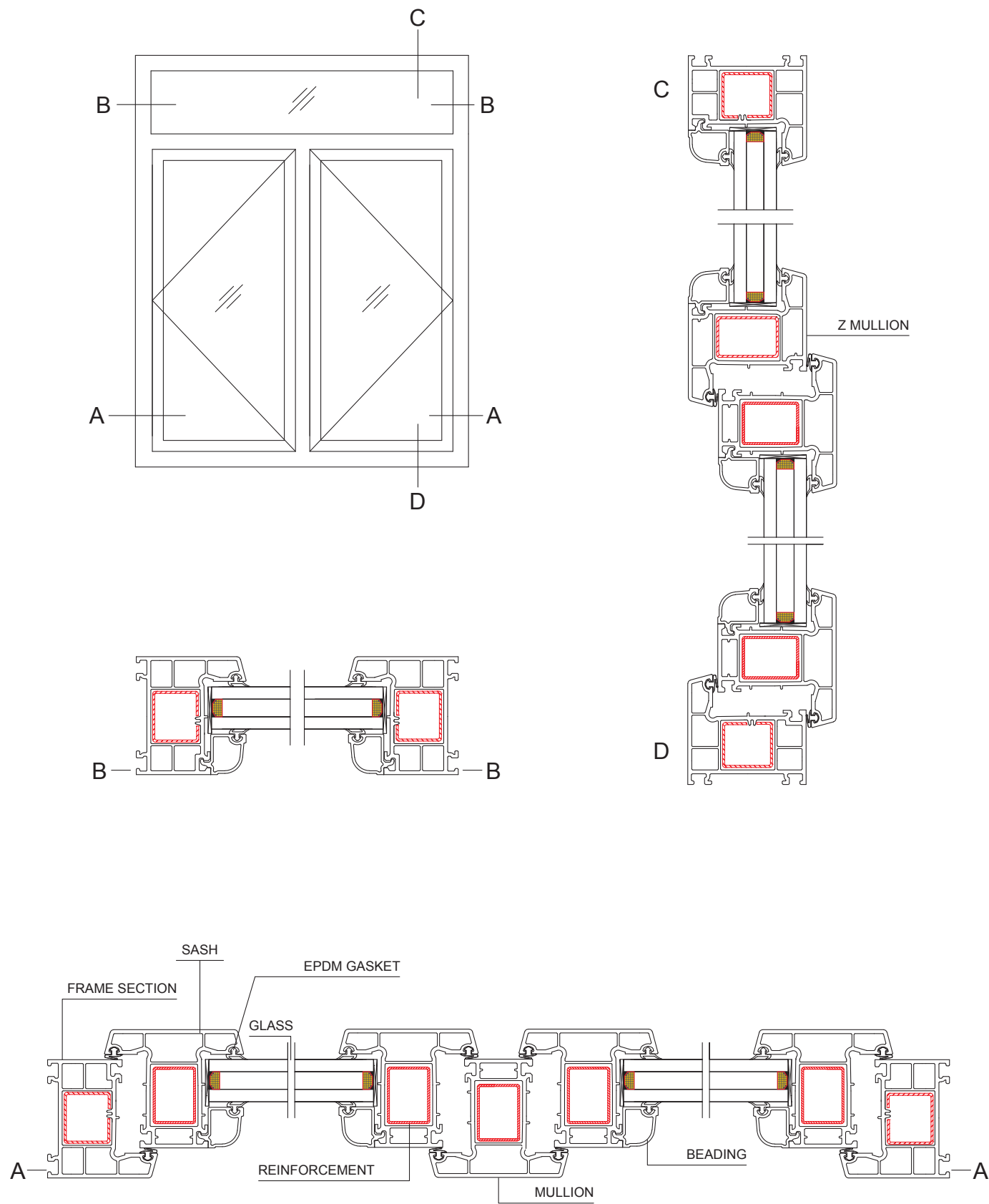
'Z' Mullion
Code No : ST - 753



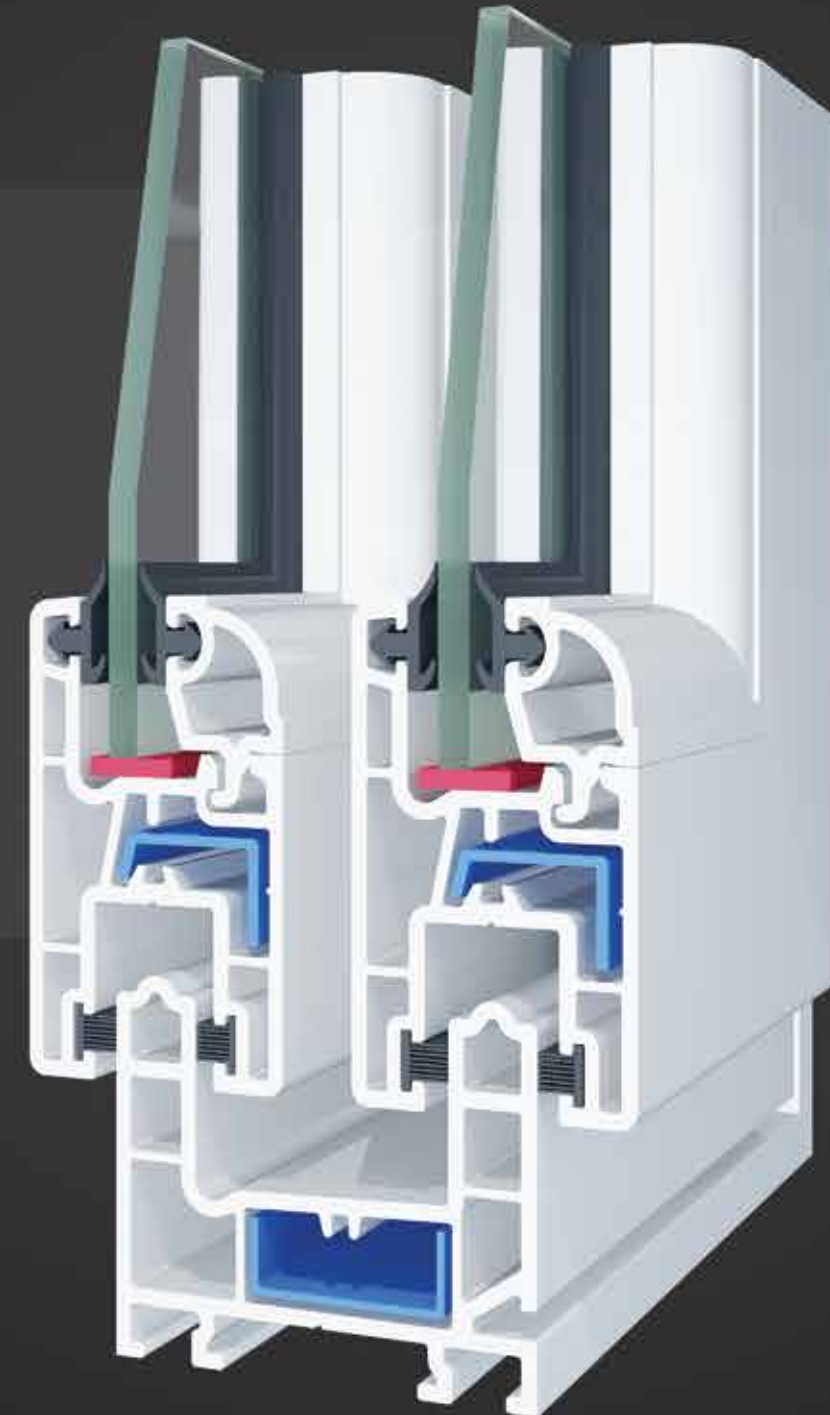
Door Sash
Code No : ST - 756

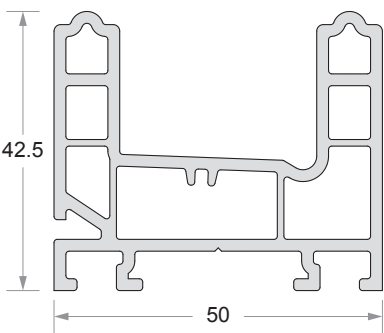


False Mullion
Code No : ST - 757

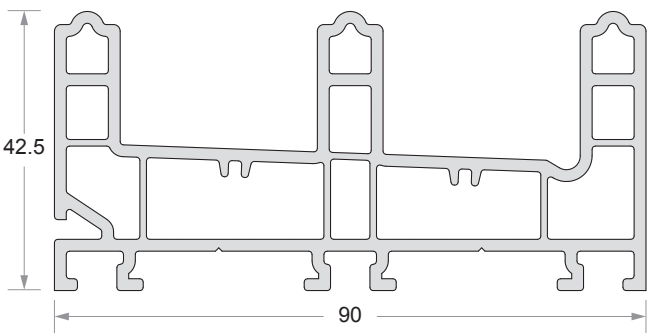


Elegant 50 Series
SLIDING WINDOWS & DOORS

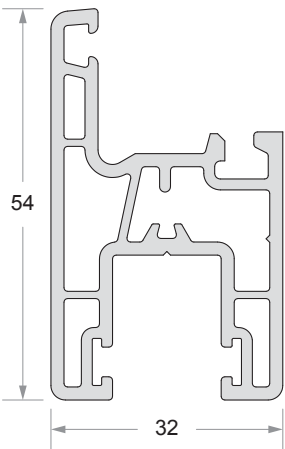




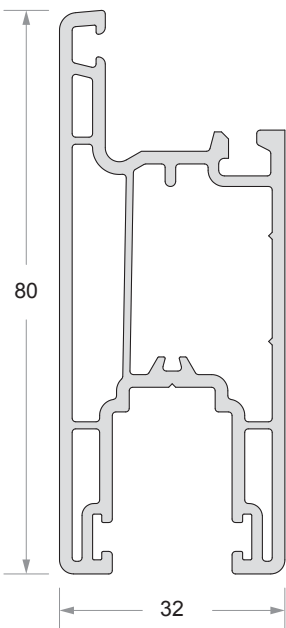
2 Track Sliding Frame
Code No : DP - 501



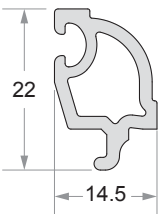
3 Track Sliding Frame
Code No : DP - 502



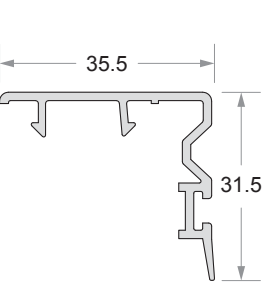
Sliding Window Sash
Code No : DP - 503



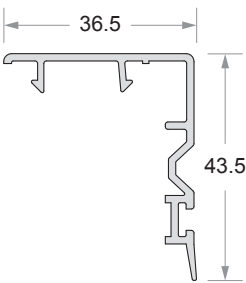
Sliding Door Sash
Code No : DP - 504



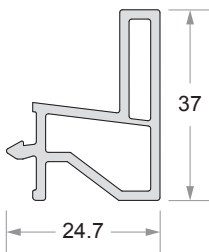
Single Glazing Bead
Code No : DP - 507



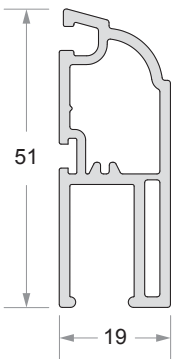
Window Interlock
Code No : DP - 505



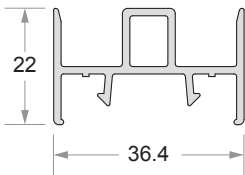
Door Interlock
Code No : DP - 506



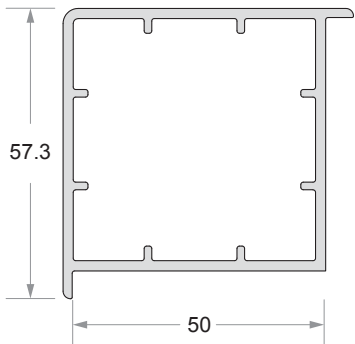
Mesh Track
Code No : DP - 509



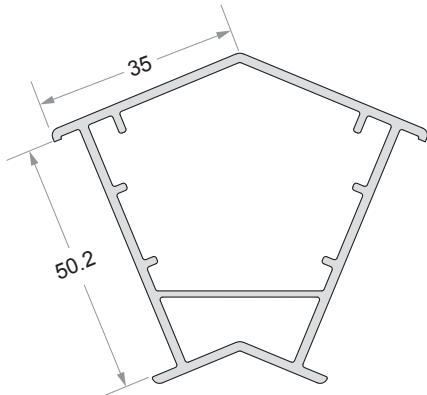
Mesh Sash
Code No : DP - 510



Sash Joint
Code No : DP - 508

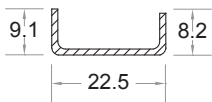


Corner Coupler
Code No : DP - 511

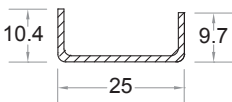


Corner Coupler
Code No : DP - 512

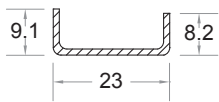
REINFORCEMENT PROFILES



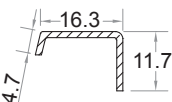
2 Track
Code No : ST - 501



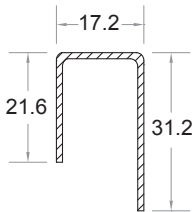
3 Track
Code No : ST - 502 - 1



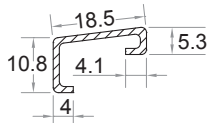
3 Track
Code No : ST - 502 - 2



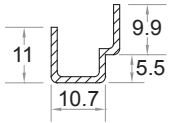
Window Sash
Code No : ST - 503



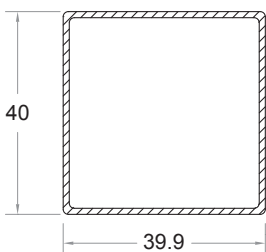
Door Sash
Code No : ST - 504



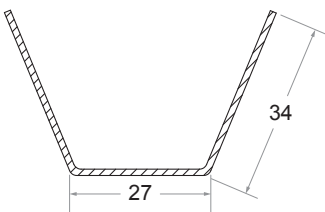
Mesh Track
Code No : ST - 509



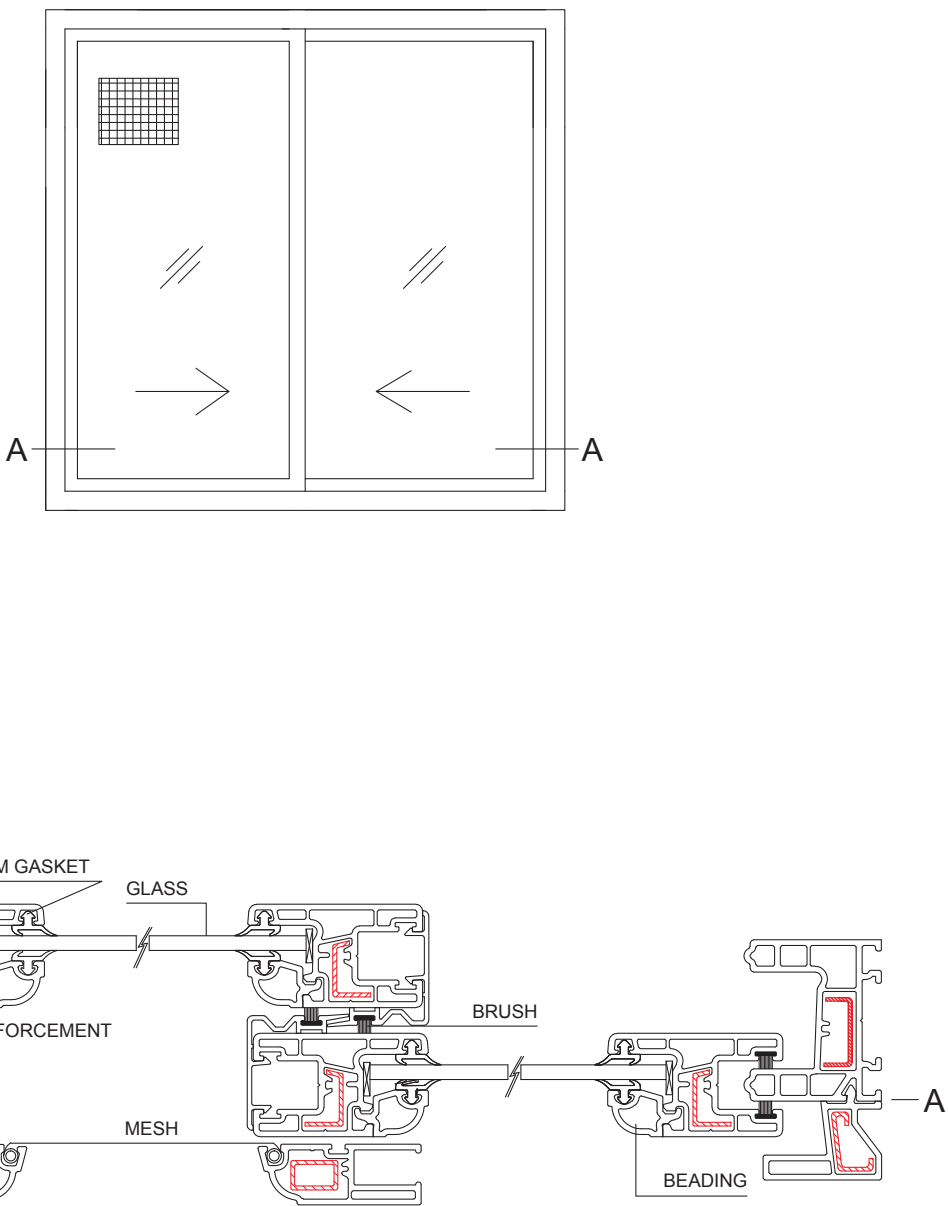
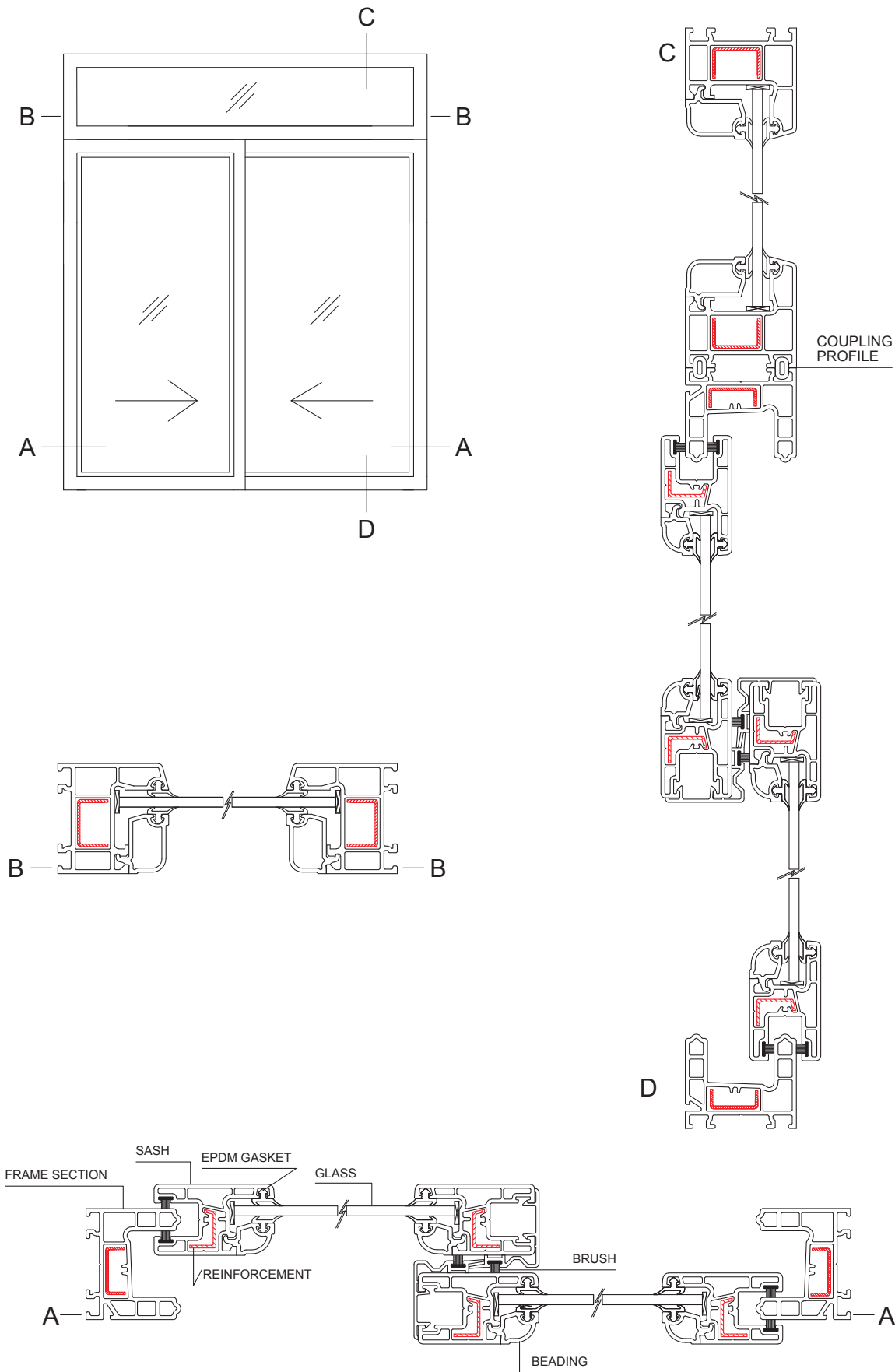
Mesh Sash
Code No : ST - 510

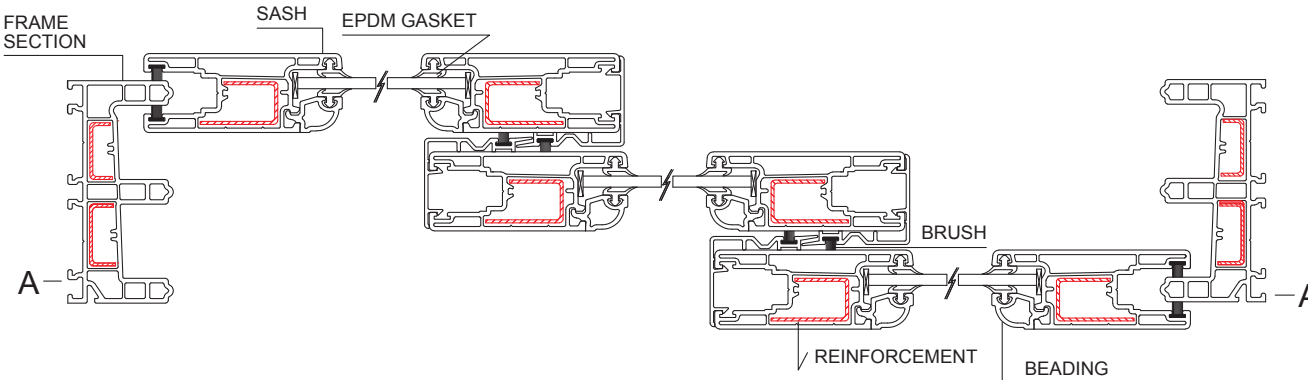
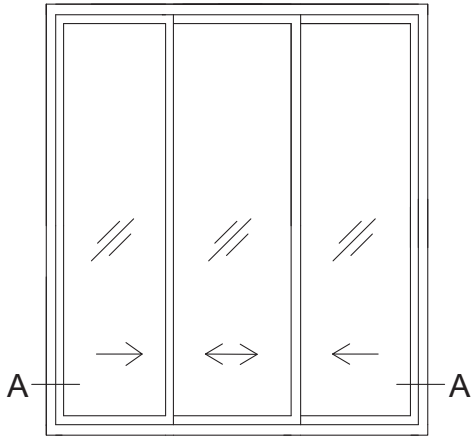
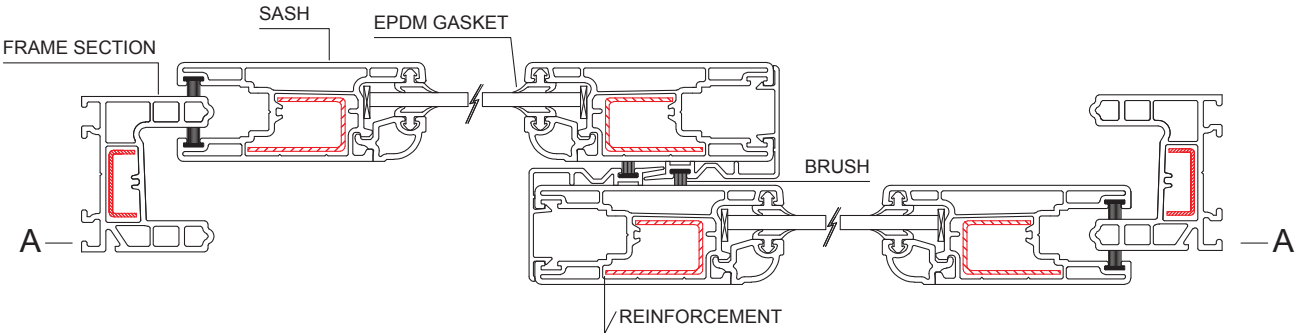
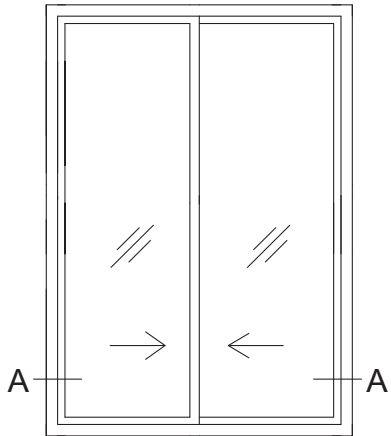
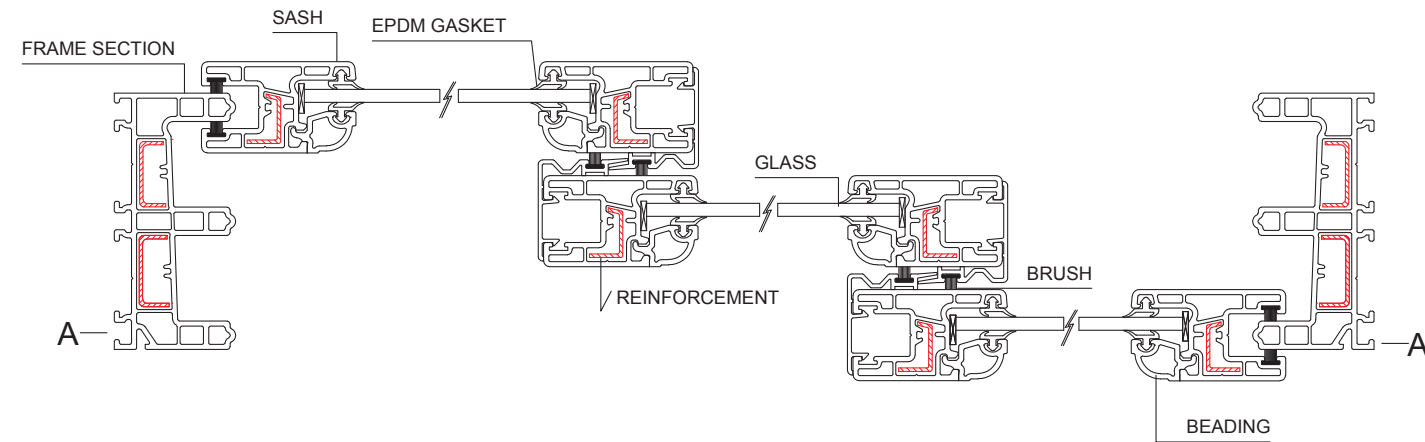
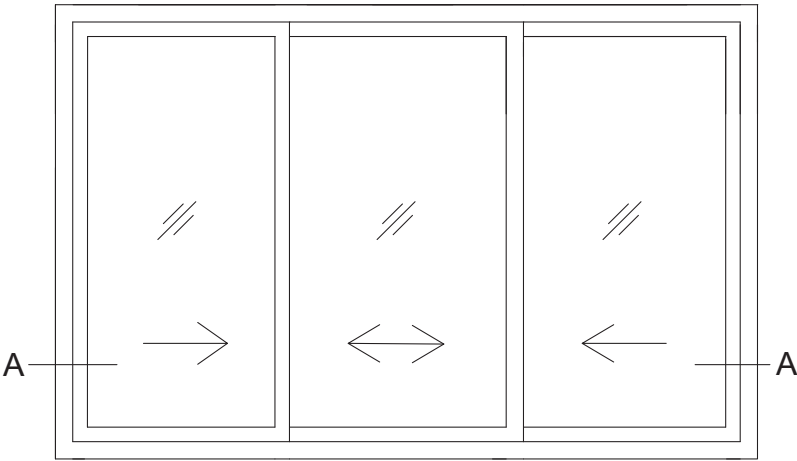


Corner Coupler 90°
Code No : ST - 511



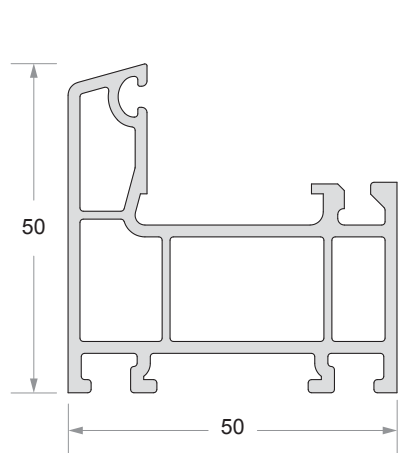
Corner Coupler 135°
Code No : ST - 512



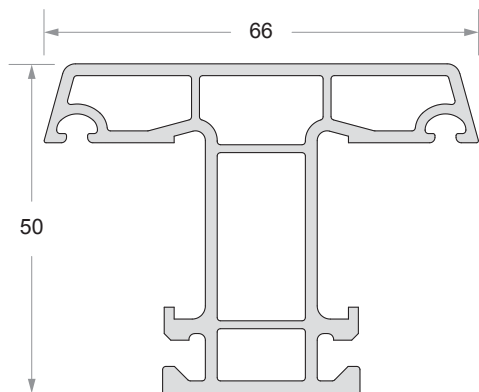


Elegant 50 Series
CASEMENT WINDOWS & DOORS

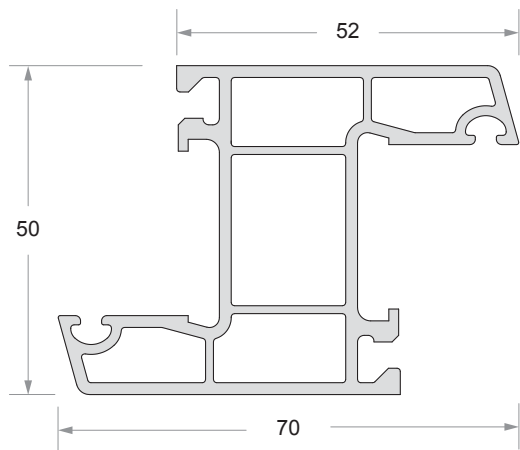




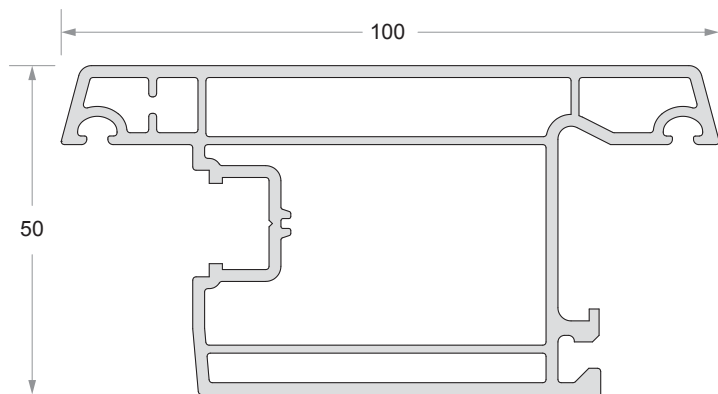
Casement Frame
Code No : DP - 551



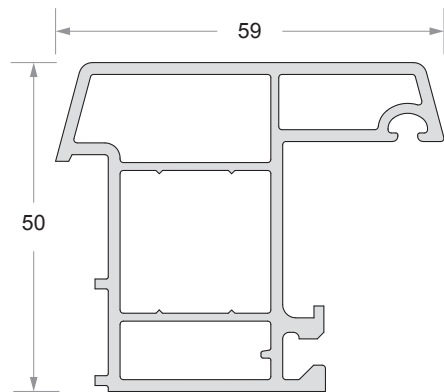
Sash / Mullion
Code No : DP - 552



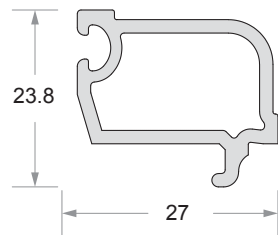
'Z' Mullion
Code No : DP - 553



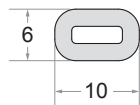
Door Sash
Code No : DP - 556



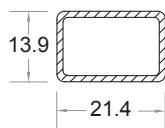
False Mullion
Code No : DP - 557



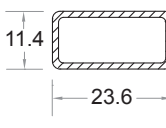
Single Glazing Bead
Code No : DP - 554



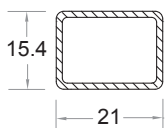
Coupling Profile
Code No : DP - 555



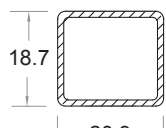
Casement Frame
Code No : ST - 551



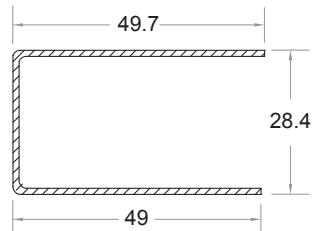
Sash / Mullion
Code No : ST - 552



'Z' Mullion
Code No : ST - 553

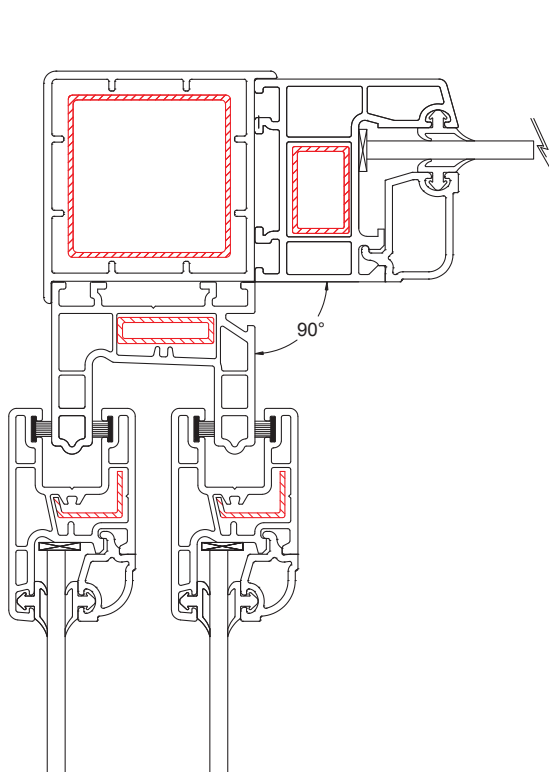
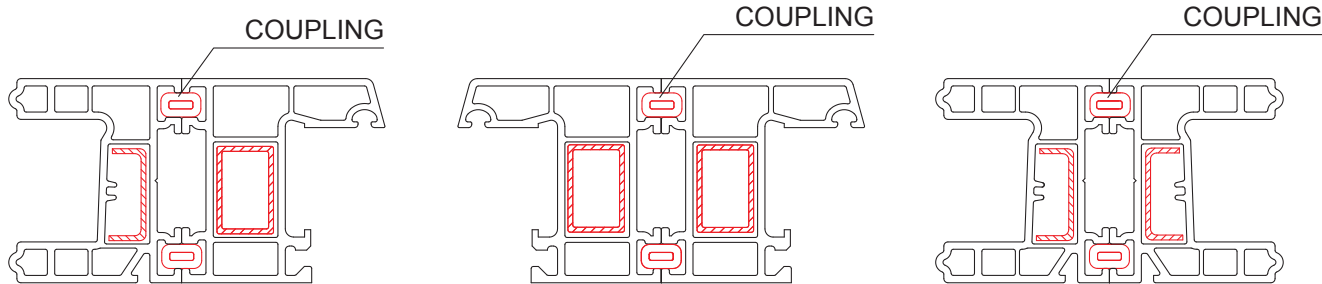


False Mullion
Code No : ST - 557

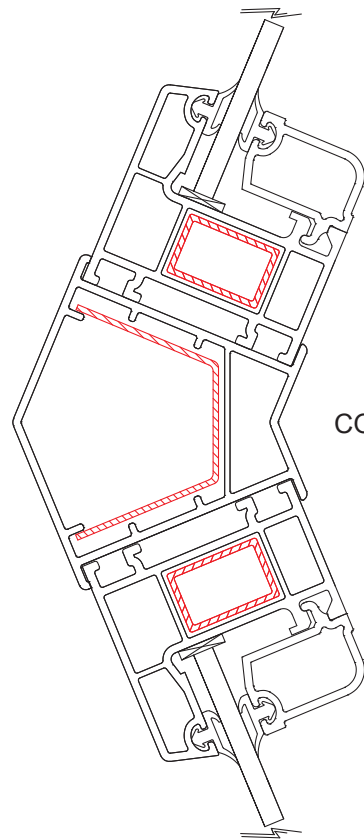


Door Sash
Code No : ST - 556

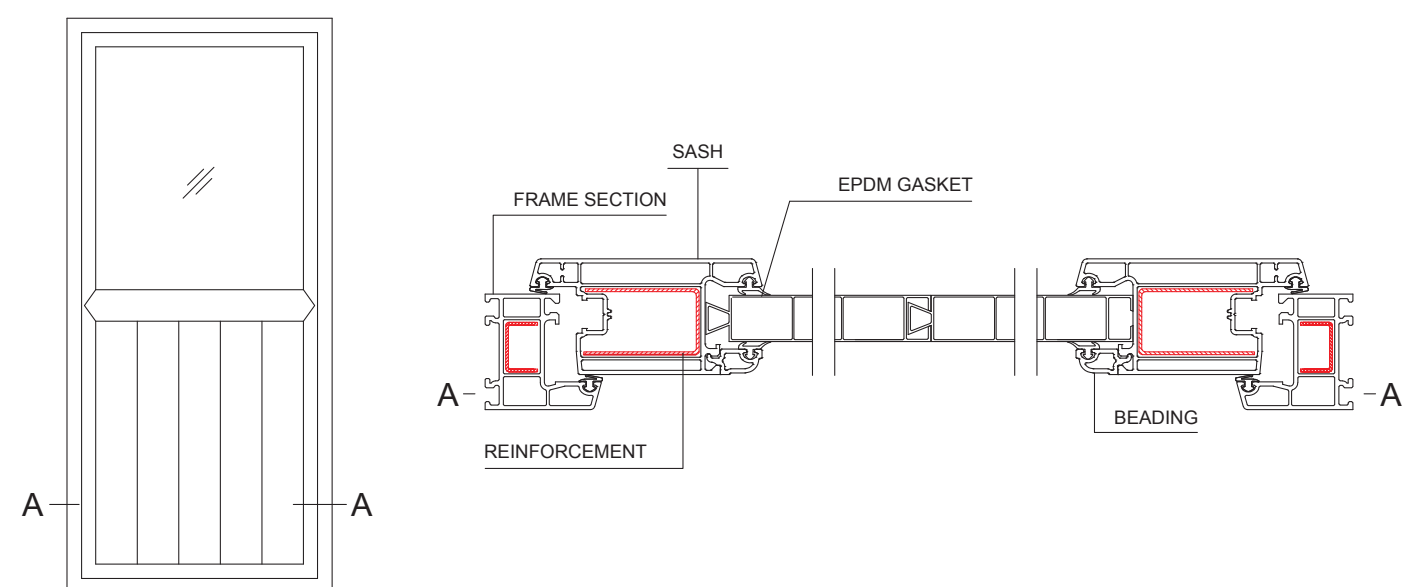
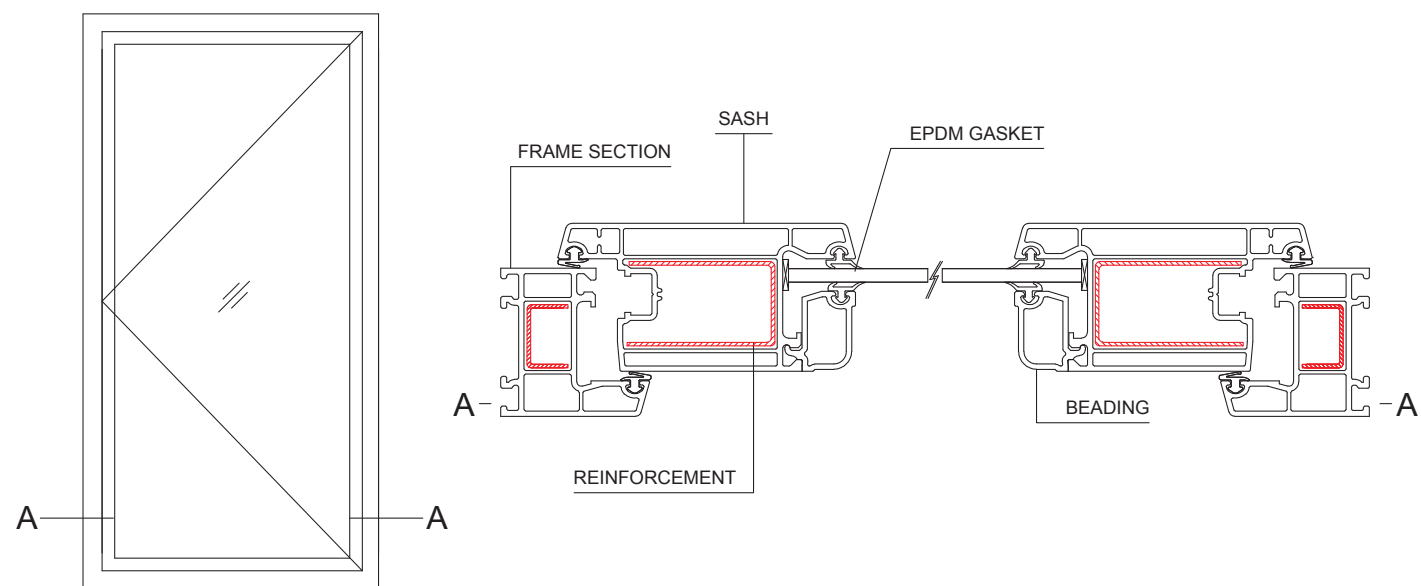
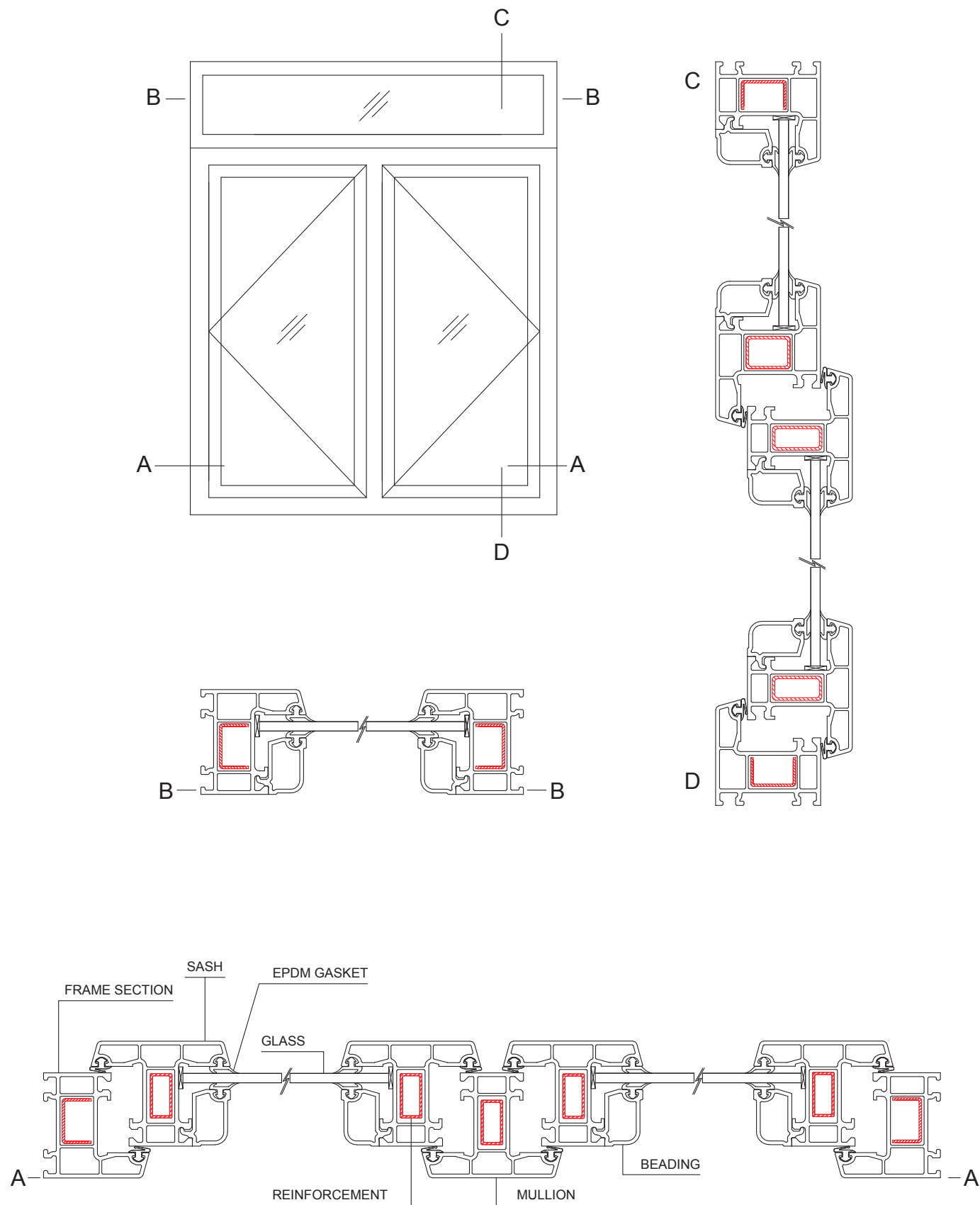
COUPLING CROSS SECTION



CORNER ASSEMBLY 90°

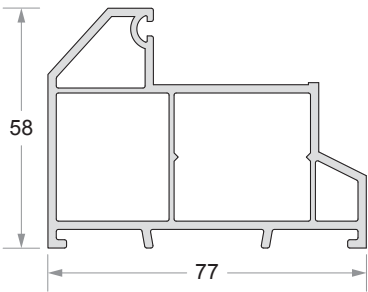


CORNER ASSEMBLY 135°

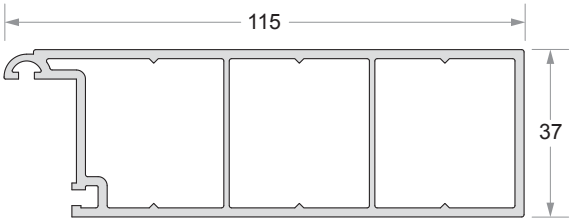


Premium Door Series

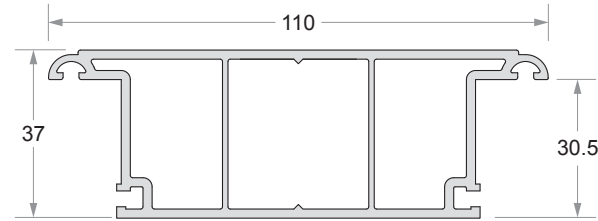
MAIN PROFILES



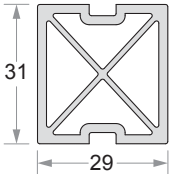
Door Frame
Code No : DPDF - 7758



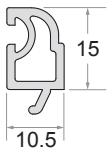
Door Sash
Code No : DPDS - 11537



Door Mullion
Code No : DPDS - 11037



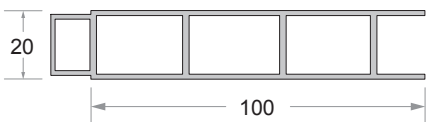
Reinforcement
Code No : DPDR - 3129



Beading 20mm
Code No : DPDB - 20

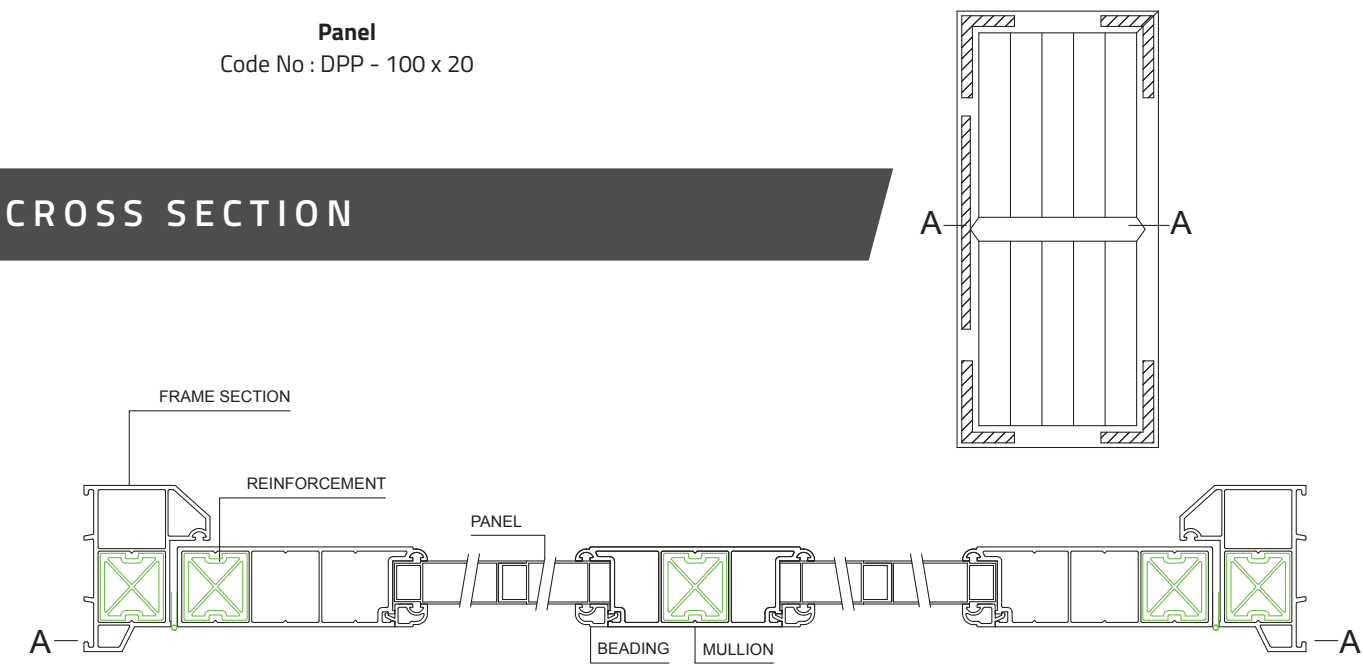


Panel
Code No : DPSS - 535 x 20



Panel
Code No : DPP - 100 x 20

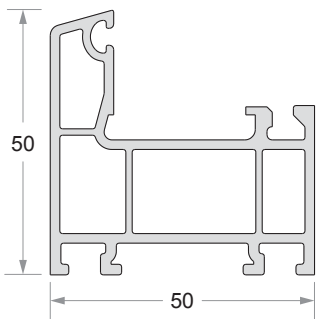
CROSS SECTION



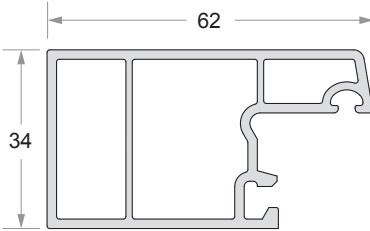
Indiana Series

MAIN PROFILES

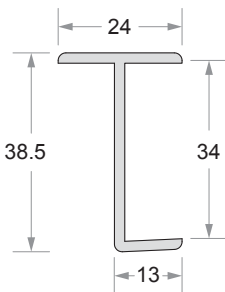
Duroplast®
uPVC Window & Door Systems



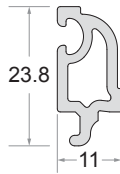
Casement Frame
Code No : DP - 551



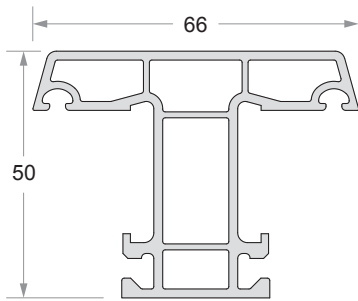
Sash / Style
Code No : DP - 601



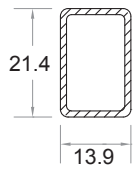
'T' Profile
Code No : DP - 602



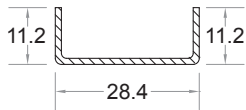
Single Glazing Bead
Code No : DP - 603



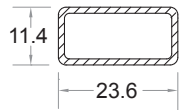
Sash / Mullion
Code No : DP - 552



Casement Frame
Code No : ST - 551



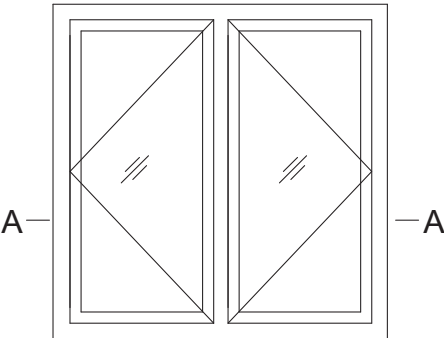
Sash / Style
Code No : ST - 601



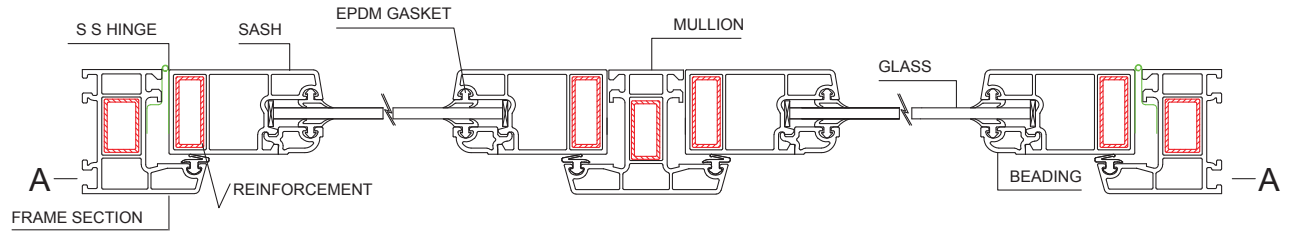
Sash / Mullion
Code No : ST - 552

REINFORCEMENT PROFILES

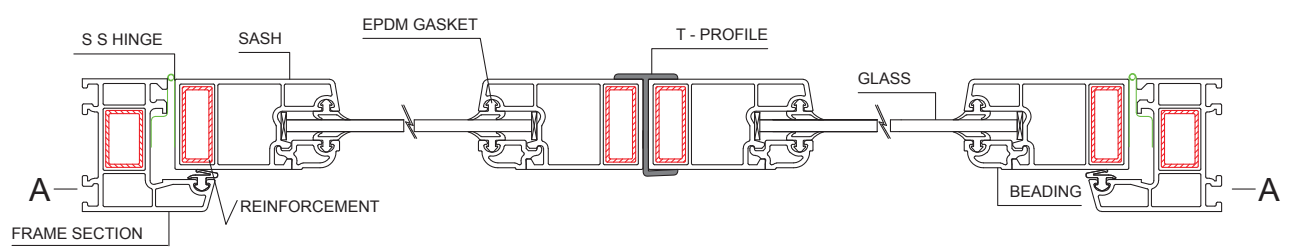
CROSS SECTION



Casement Window With Mullion



Casement Window With T Profile





Quality Assurance

Duroplast adheres to strict international guidelines of profile manufacturing.

Our uPVC profiles conform to **BS EN 12608** standard.

Name of the Test	Test Method	Units	Test Value Obtained
Tensile Strength	EN ISO - 527	mPa	44
Vicat Softening Temperature	EN ISO - 306	°C	80
Charpy Impact Strength	EN ISO - 179	Kj/m2	22.6
Flexural Modulus of Elasticity	EN ISO - 178	N/mm2	3092.2
Impact Strength by Falling Mass (-) 10°C	IS: 4985-2000	-	Passed
Mean Breaking Stress for Welded Corner	EN ISO 527	N/mm2	31.4
Colour Fastness (Sample was exposed in xenon Arc weather meter for period which is comparable with stipulated expose to the sun for 1600 hours)	IS: 13592-92	-	No Show of any difference in colour or physical appearance observed after exposure to sunlight equivalent to 1600 hours.
Behaviour after heating at 150°C for 60 minutes	-- do --	-	No air bubble, crack, stress is observed.(Passed)
Heat Reversion Test	IS: 4985-2000	%	1.30
Flammability	UL - 94	-	V ₀
After ageing at 70°C for 168 hours a. Tensile Strength b. Elongation at break	ASTM D-635 ASTM D-635	Mpa %	48 172
Water Absorption	ASTM D-570	gm/cc	.05
Rate of Burning	ASTM D-635	mm/min	Self Extinguishing

Note: All profile dimensions given in the brochure are in mm

Duroplast®

uPVC Window & Door Systems

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