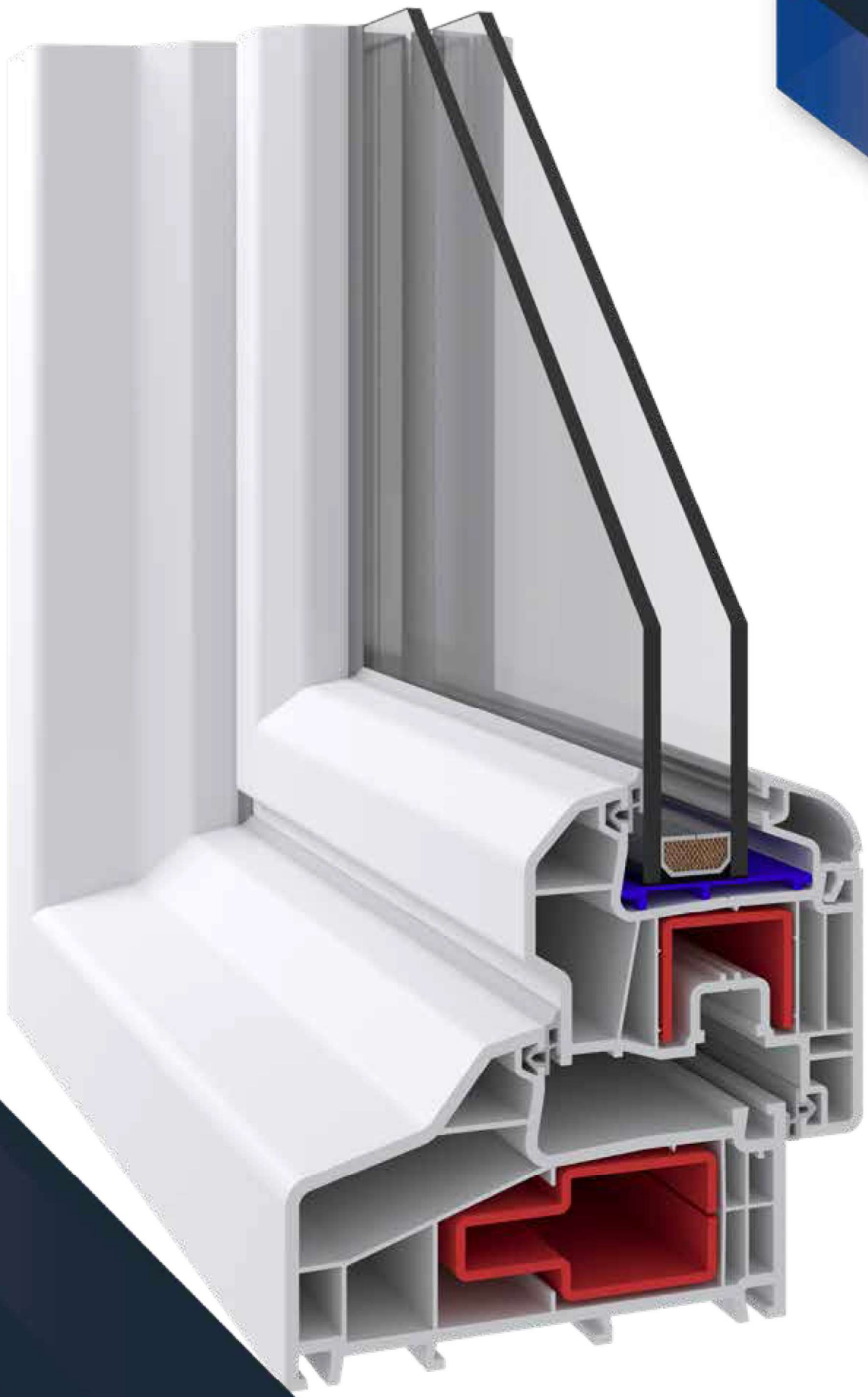
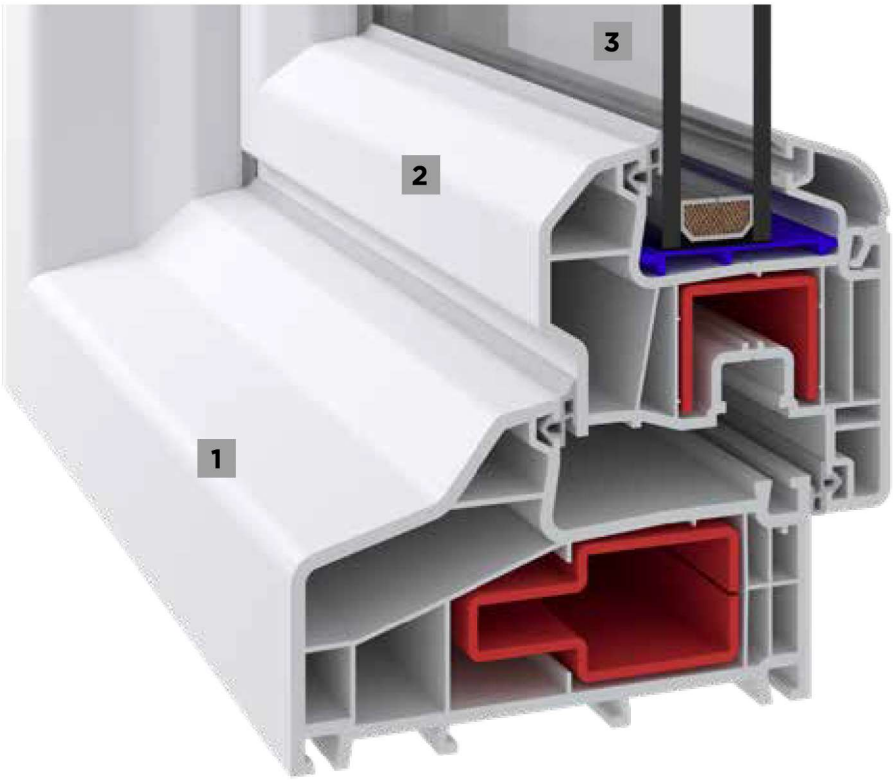


PLASPEN®

P 790 SERIES
PVC PROFILE SYSTEM



TECHNICAL

P 790 SERIES

Profile Width: 110 mm
Number of chambers: 5
Profile Class: A Class (TS EN 12608-1) / RAL 716-GZ A Class
Seal Type: External / Internal double seal system
Seal Type and Color: TPE – Grey /Black
Glass Thickness (mm): 4, 20, 24, 28, 32, 40, 42 mm
The thermal insulation Uf: 1,36 W/m²K

1 Frame 5 chambers system.

2 Offset and flat sash option

3 Double and triple glass option.

INSTRUCTION

· The main profiles have 110 mm width.

· Because of the elastic grey and black seal which does not leave any stain on profiles will be provided maximum air, water, dust and sound isolation.

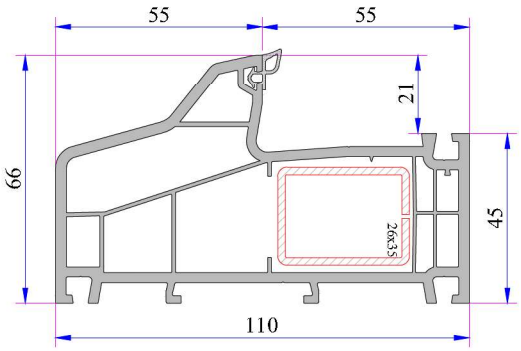
· Due to the 5 chambers profiles, it has maximum performance for thermal, sound and water isolation.

· It is a series of profiles with very special design that provides maximum wind resistance on high rise buildings.

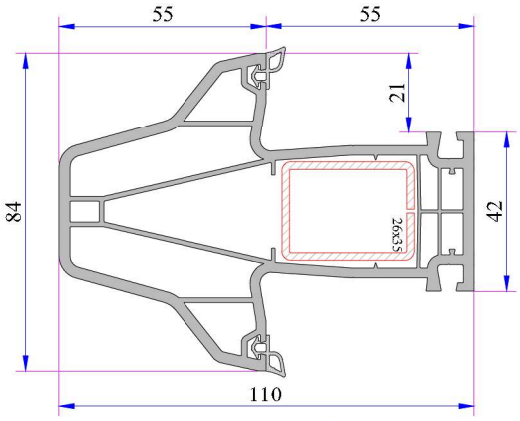
· In addition to main white profile it has a different laminated color range.

· 4-5 mm single glazing application of 20, 24, 28, 32, 40, 42 mm glazing beads give us alternatives of using double, triple glazing and panels.

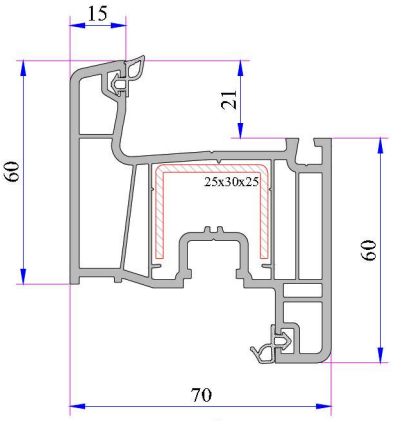
LAMINATED COLORS



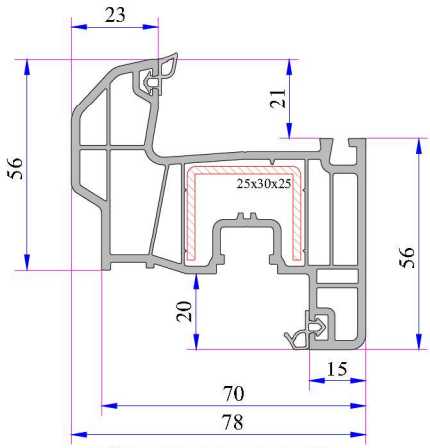
W 790 Frame Profile
Code: P.A.790.1000.600.0.BC.03



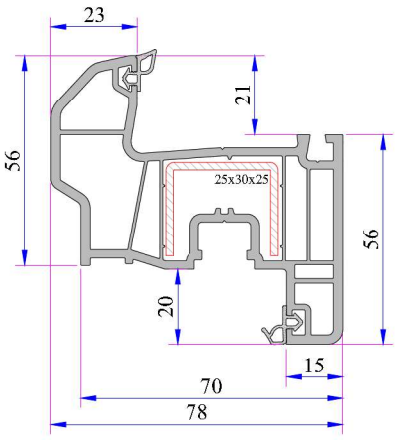
W 790 Mullion Profile
Code: P.A.790.3000.600.0.BC.03



Sash Profile
Code: P.A.750.2000.600.0.BC.03



Offset Type Sash Profile
(6 Chambers)
Code: P.A.750.2205.600.0.BC.03



Offset Type Sash Profile
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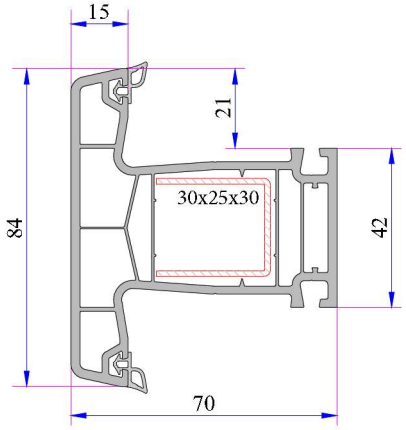
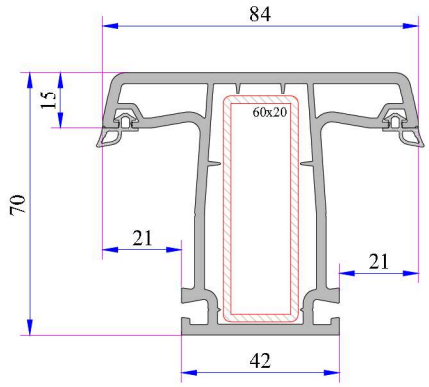
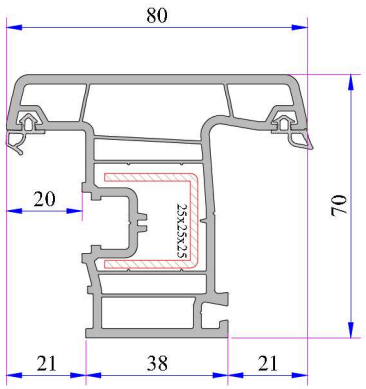


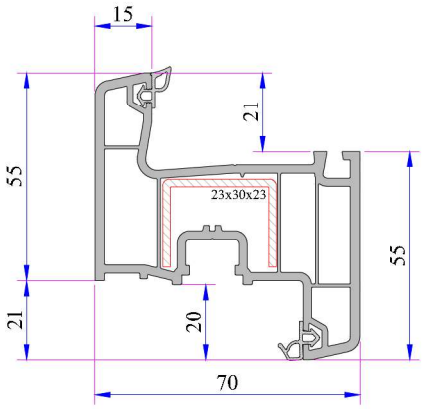
Mullion For Door Profile
Code: P.A.750.3000.600.0.BC.03



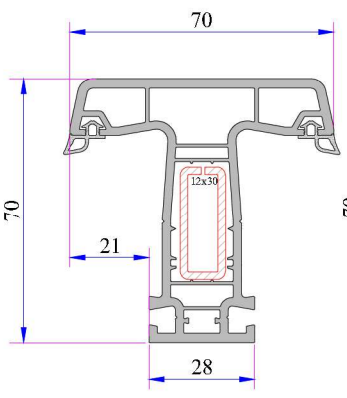
Static Mullion Profile
Code: P.A.750.3009.600.0.BC.03



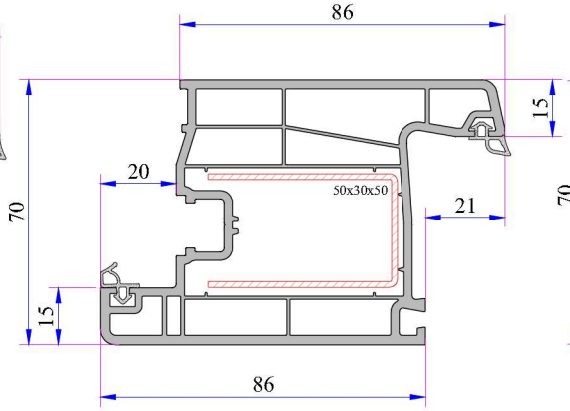
Outward Opening Sash Profile
Code: P.A.750.2001.600.0.BC.03



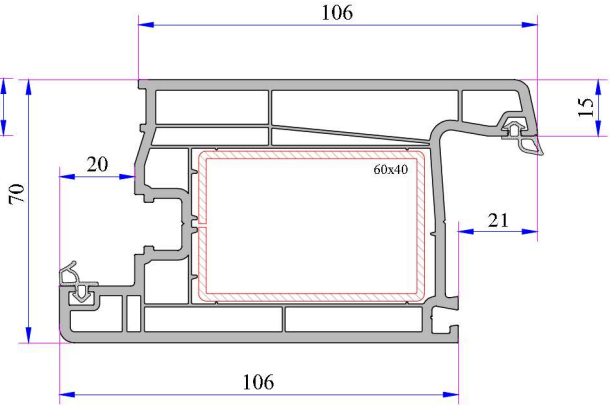
24 Axis. Sash Profile
Code: P.A.750.2003.600.0.BC.03



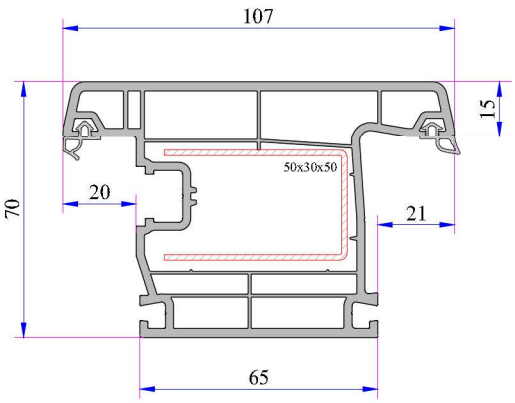
Eco Mullion Profile
Code: P.A.750.3006.600.0.BC.03



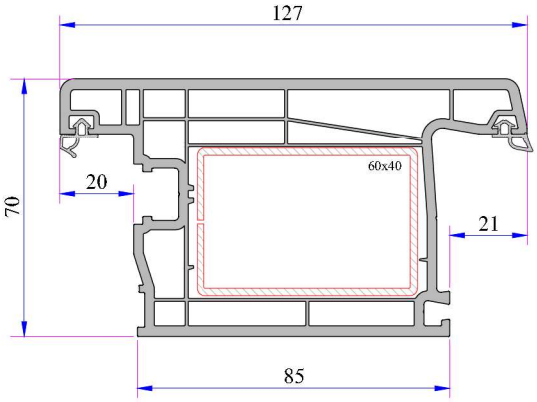
Door Sash Profile
Code: P.A.750.2100.600.0.BC.03



Super Door Sash Profile
Code: P.A.750.2103.600.0.BC.03



Outward Opening Door Sash Profile
Code: P.A.750.2101.600.0.BC.03



Outward Opening Super Door Sash Profile
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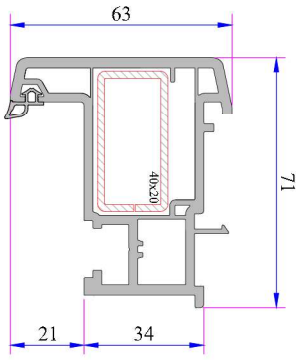
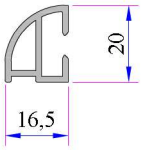
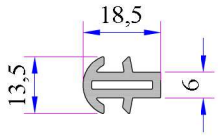


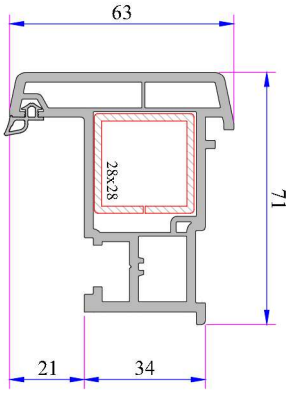
Static Lap Joint Profile (Spiked)
Code: P.A.750.3101.600.0.BC.19



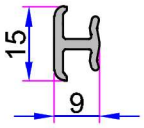
Offset Profile
Code: P.A.900.6307.600



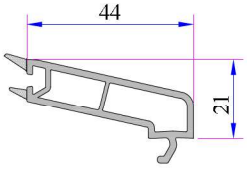
Short Coupling Profile
Code: P.A.099.5003.600



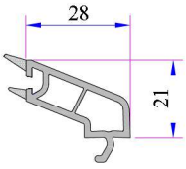
Lap Joint Profile
Code: P.A.750.3100.600.0.BC.19



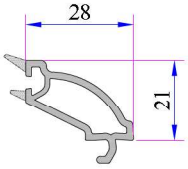
Universal Short Coupling Profile
Code: 099.5004



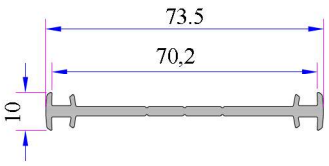
Single Glazing Bead 4-6mm
Code:
P.A750.4000.600.0.HC



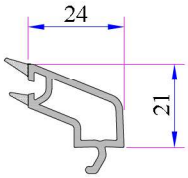
Double Glazing Bead 20 mm
Code:
P.A.750.4100.600.0.HC



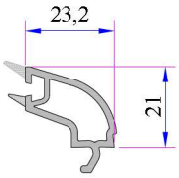
Double Glazing Bead 20 mm
Code:
P.A.750.4102.600.0.HC



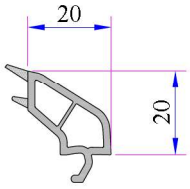
Narrow Coupling Profile
Code:
P.A.070.5001.600



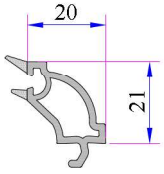
Double Glazing Bead 24 mm
Code:
P.A.750.4200.600.0.HC



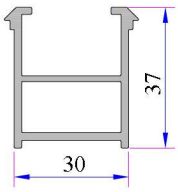
Double Glazing Bead 24 mm
Code:
P.A.750.4204.600.0.HC



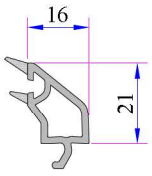
Double Glazing Bead 28 mm
Code:
P.A.101.4100.600.0.HC



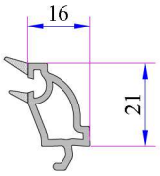
Dec. Double Glazing Bead 28 mm
Code:
P.A.101.4102.600.0.HC



Frame Montage Profile
Code:
P.A.060.5301.600.0.00.19



Triple Glazing Bead 32 mm
Code:
P.A.750.4500.600.0.HC



Triple Glazing Bead 32 mm
Code:
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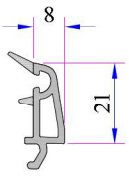
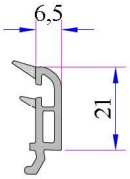
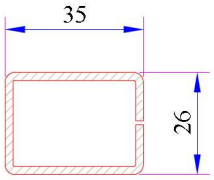


Triple Glazing Bead 40 mm
Code:
P.A.101.4500.600.0.HC

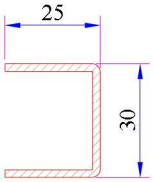


Triple Glazing Bead 42 mm
Code:
P.A.532.4500.600.0.HC

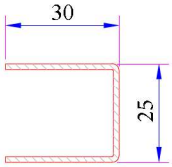
P 790 Re-Inforcement Profiles



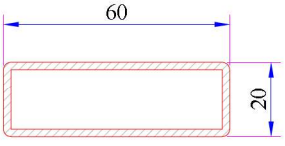
Frame - Mullion Profile Reinforcement
Code: 34022-12116



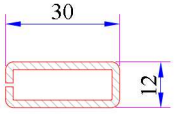
Sash – Offset Type Sash Profile Reinforcement
Code: 34022-12025



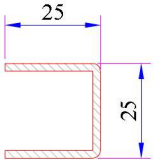
Mullion For Door Profile Reinforcement
Code: 34022-12004



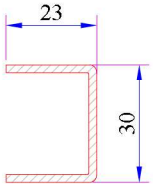
Static Mullion Profile Reinforcement
Code: 34022-12106



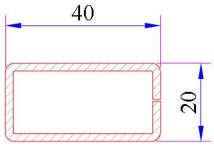
Eco Mullion Profile Reinforcement
Code: 34022-12115



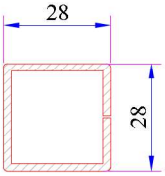
Outward Opening Sash Profile Reinforcement
Code: 34022-12003



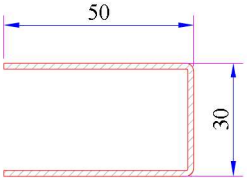
24 Axis. Sash Profile Reinforcement
Code: 34022-12030



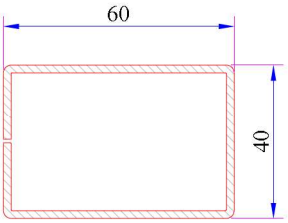
Static Lap Joint Profile Reinforcement
Code: 34022-12114



Lap Joint Profile Reinforcement
Code: 34022-12113

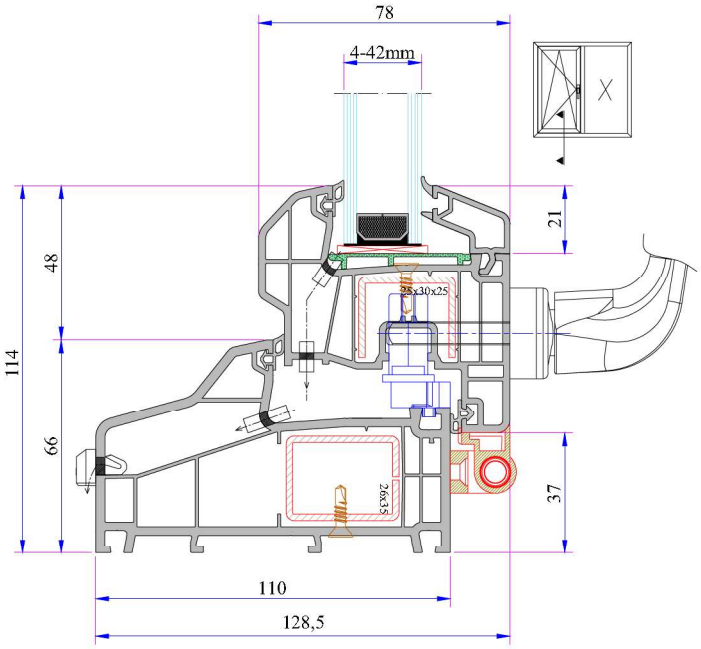


Door Sash - Outward Opening Door Sash Reinforcement
Code: 34022-12013

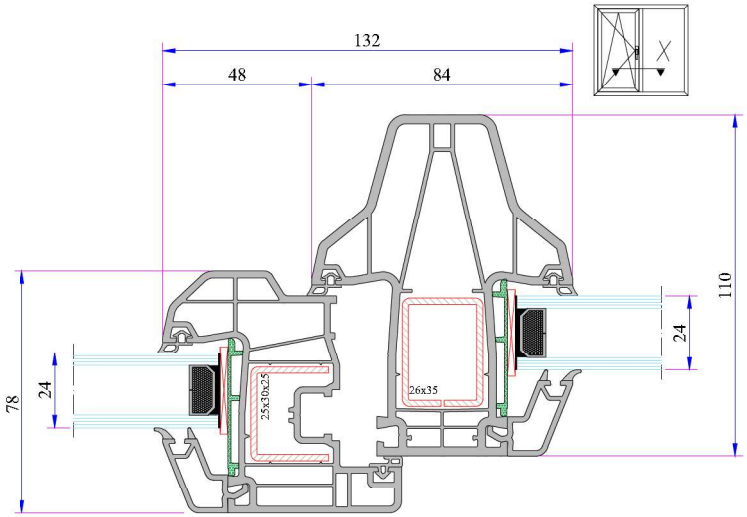


Super Door Sash - Outward Opening Super Door Sash Reinforcement
Code: 34022-12110

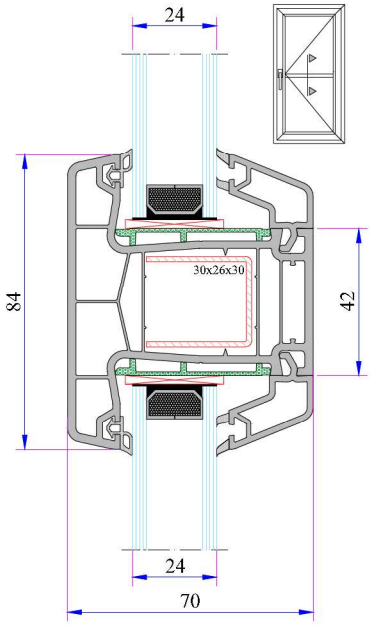
P 790 Installation



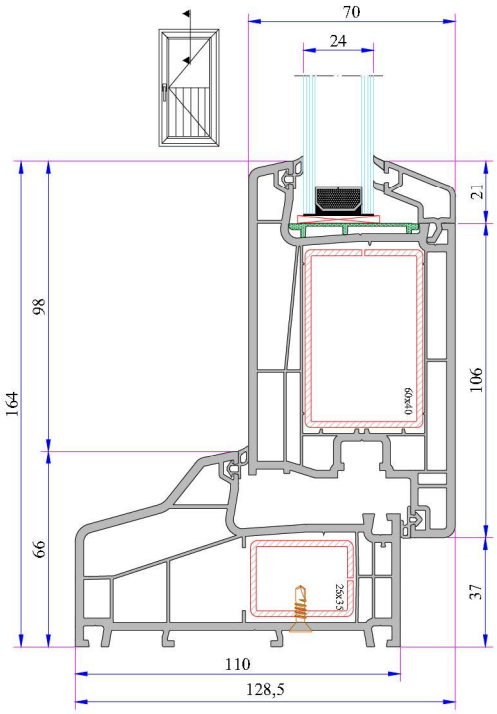
Frame - Sash Installation



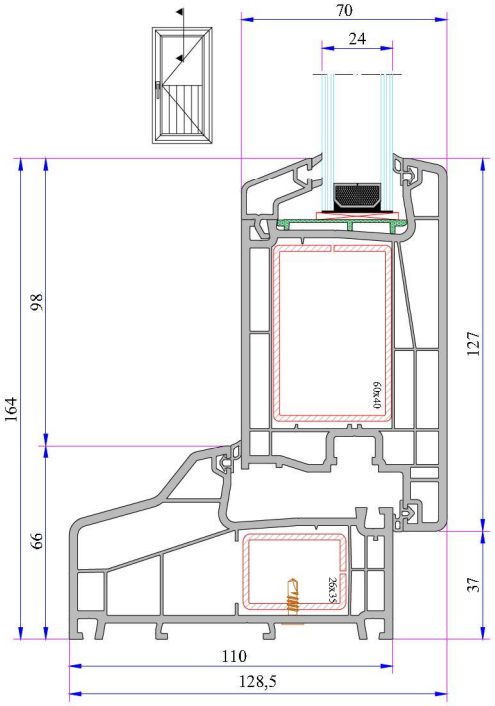
Mullion - Offset Type Sash Installation



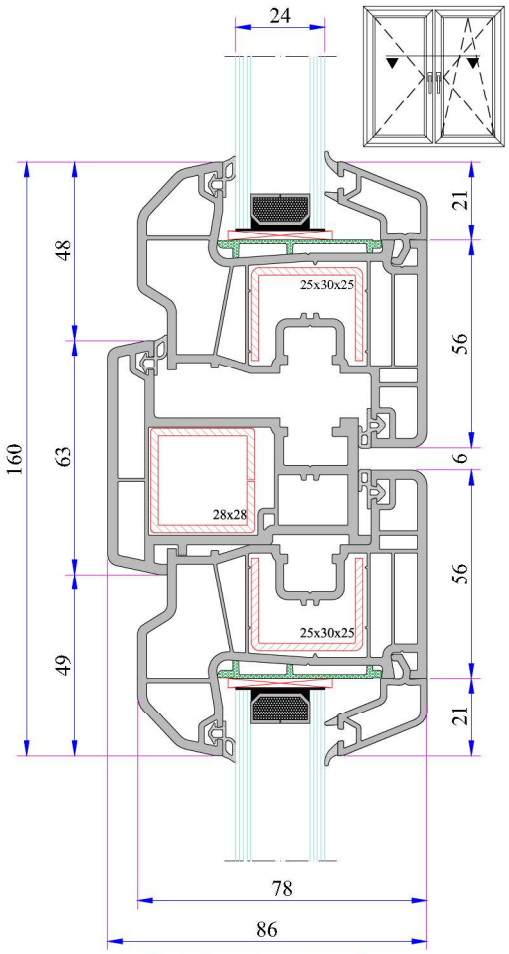
Mullion For Door Profile Installation



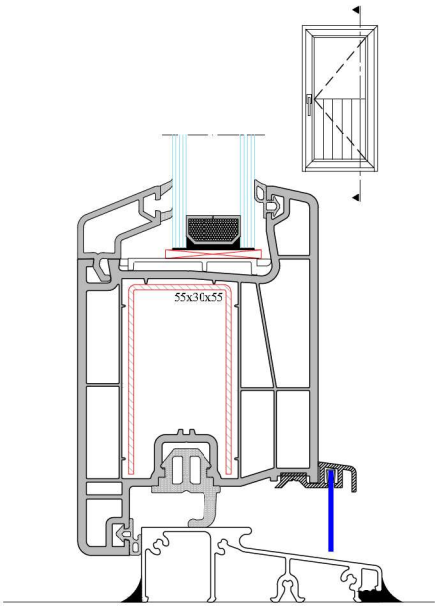
Frame - Super Door Sash Installation



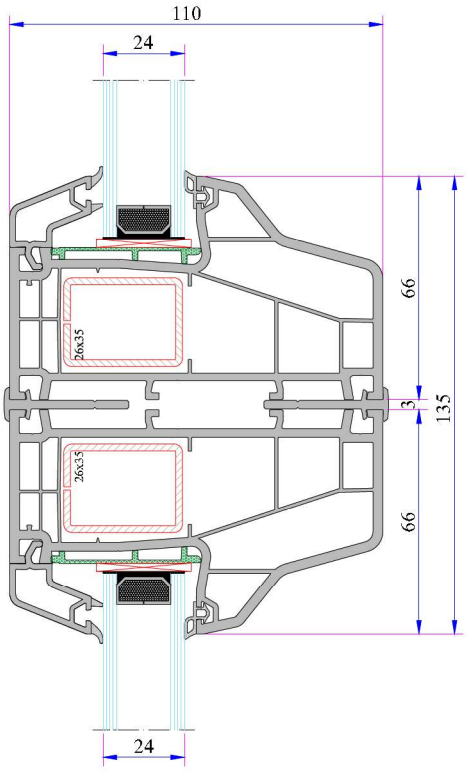
Frame - Outward Opening Super Door Sash Installation



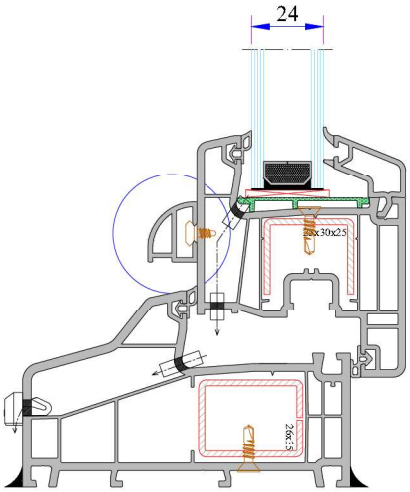
Sash Lap Joint And Sash Installation



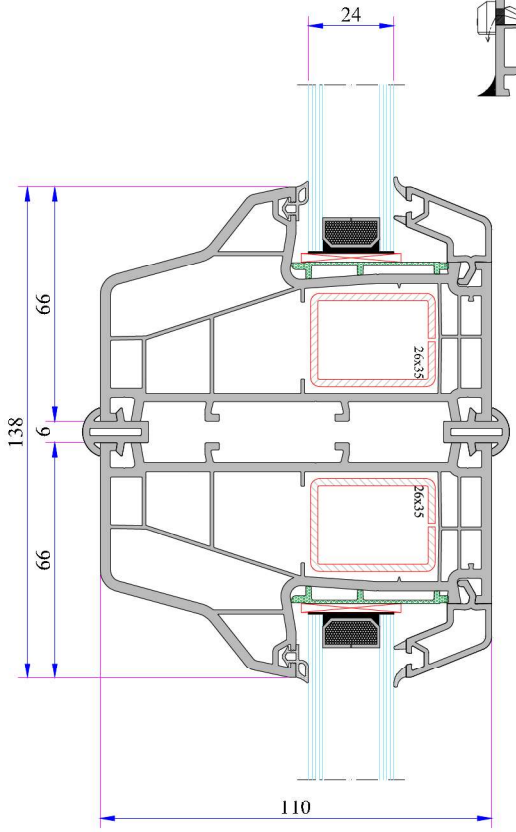
With Aluminium Threshold Frame Door Sash Installation



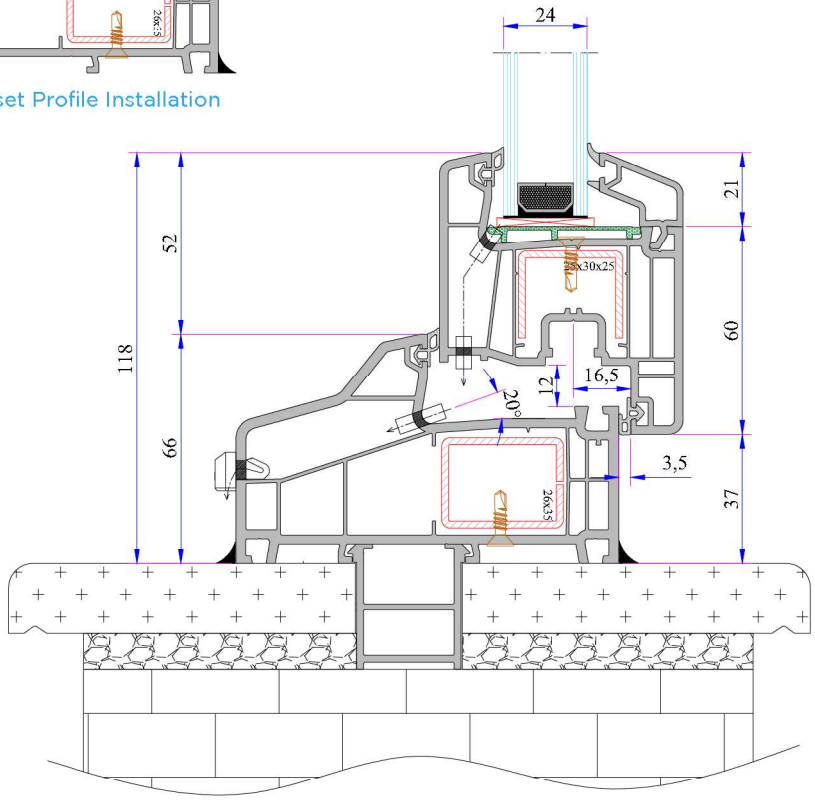
Narrow Coupling Profile Installation



Offset Profile Installation



Short Coupling Profile Installation

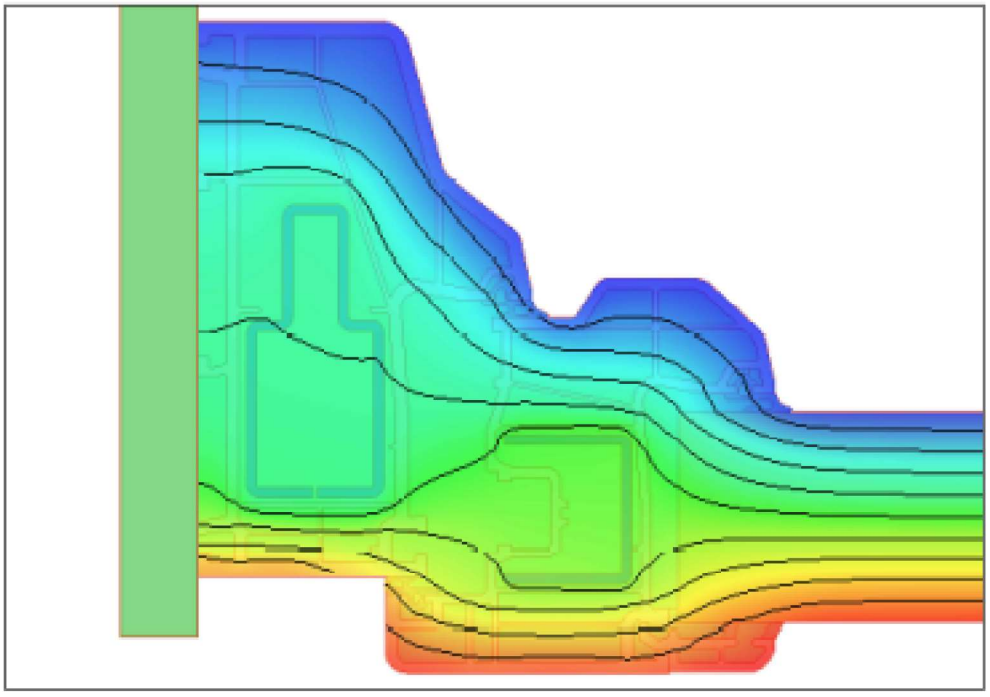


Frame Montage Profile Installation

Project name:	W 790 Frame-Sash (Uf)		
Transmittance (Uf):	1.3685 W/m²K	Internal T:	20.00 °C
Conductance (Lf2D):	0.2947 W/mK	External T:	0.00 °C
Frame length (Bf):	114.00 mm		

Frame Simulator

Thermal transmittance (Uf) computation performed in accordance with EN ISO 10077-2:2012



Node details

Primitives used for finite element simulation:	21542
Frame width (Bf):	114.00 mm
Visible insultation panel width (Bp):	190.01 mm
Insulation panel thickness (Dp):	46.20 mm

External boundary conditions:

Temperature:	0.00 °C
Surface resistance:	0.040 m²K/W

Internal boundary conditions:

Temperature:	20.00 °C
Surface resistance:	0.130 m²K/W
Humidity:	-

Results computed in accordance with EN ISO 10077-2:2012

Internal/external temperature difference:	-
2D conductance (Lf2D):	0.2947 W/mK
Transmittance (Uf):	1.3685 W/m²K

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