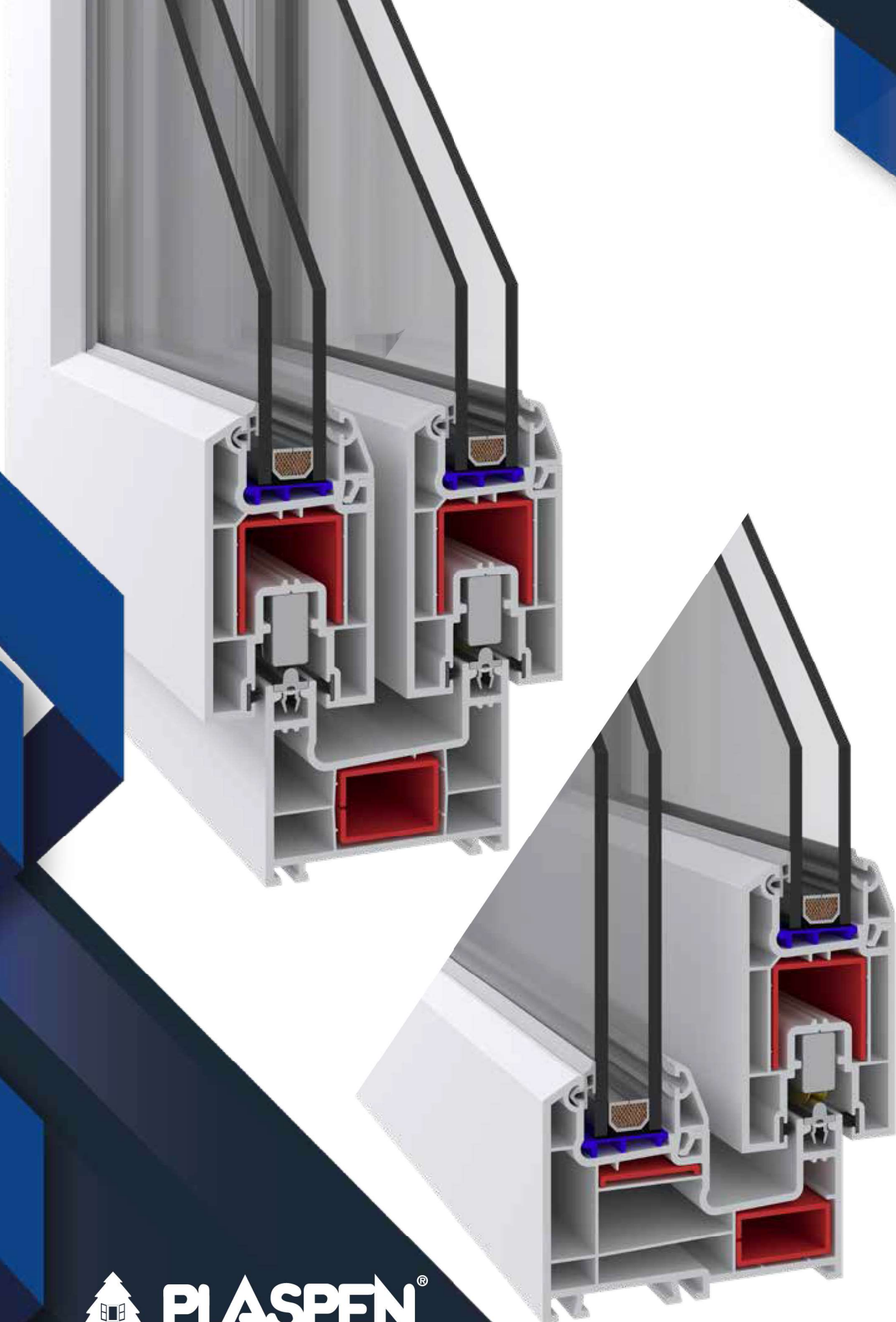




PLASPEN®

**P 232 RAIL SERIES
PVC PROFILE SYSTEM**



TECHNIC

P 232 DOUBLE AND SINGLE RAIL SLIDING SERIES

Profile Width: 75 mm double rail frame, 92,5 mm single rail frame and 50 mm sliding system sash profile.

Number of chambers: 3 chambers system

Profile Class: B Class (TS EN 12608-1)

Seal Type: The insulated bristle wick system

Seal Type and Color: TPE - Grey /Black

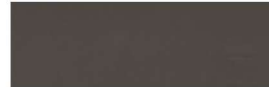
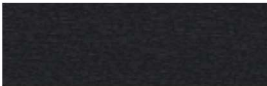
Glass Thickness (mm): 4 - 6, 20, 24 mm

- 1** Frame with fly-screen and sill option
- 2** Triple rail sash option
- 3** Single and double glass option.

INSTRUCTION

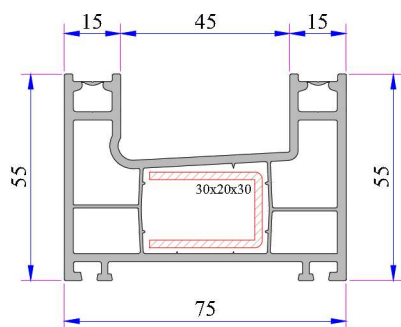
- 75 mm profile width with double railed frame and 92,5 mm width single rail alternative frame and 50 mm width of sash profile.
- Perfect thermal, sound and water isolation because of the 3 chambers system.
- The medium locked sash with a seal system.
- Application of single glaze 4-6 mm and insulating glass 20, 24 mm by grey sealed glazing beads in different thickness.
- Application with roller shutter and without roller shutter choices.
- Wooden designed laminated applications.

LAMINATED COLORS

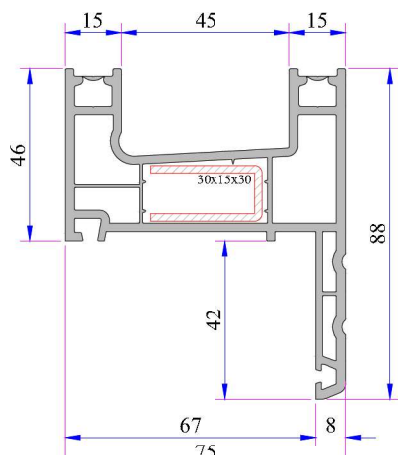
				
GOLDEN OAK ST 500	DARK OAK ST 501	SWAMP OAK ST 503	LIGHT OAK ST 515	GREY SAND AS 509
				
GREY ST 507	ANT. GREY ST 508	ANT. GREY AS 508	MAHOGANY ST 504	CREAM AS 057

P 232 RAIL SERIES

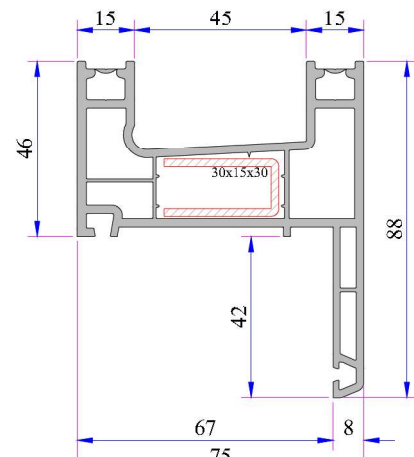
PVC PROFILE SYSTEM



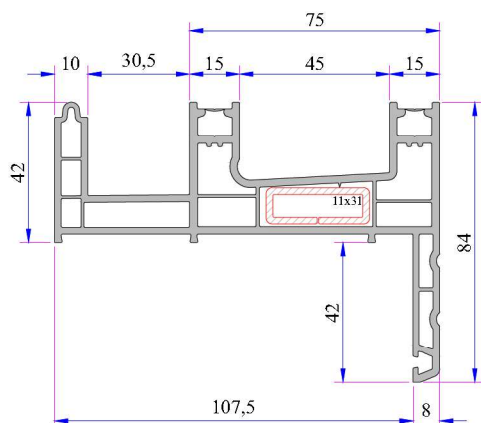
Frame Profile (Double Rail)
Code: P.A.232.1106.600.0.00.03



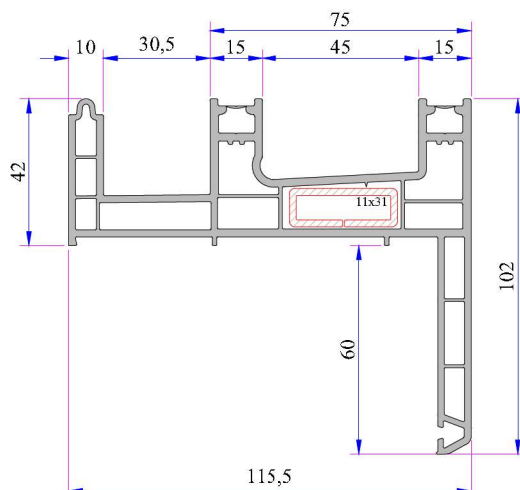
Frame Profile With Sill (Decorative)
Code: P.A.232.1107.600.0.00.03



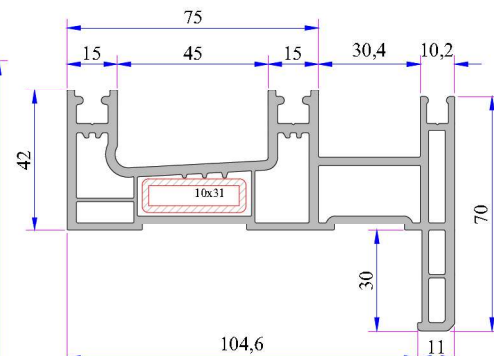
Frame Profile With Flat Sill
Code: P.A.232.1110.600.0.00.03



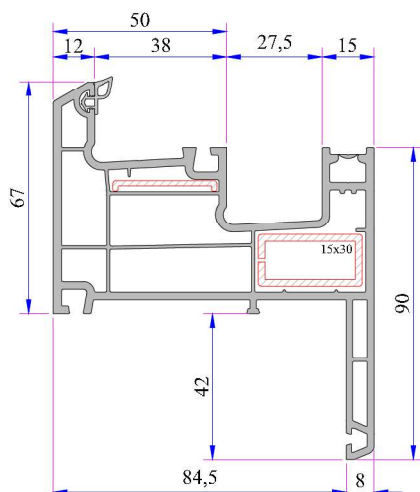
Frame Profile With Fly - Screen & Sill
Code: P.A.232.1109.600.0.00.03



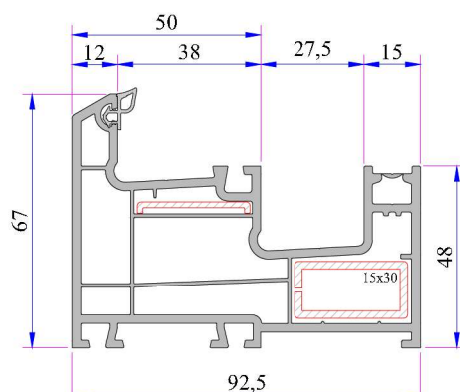
Double Rail Frame Profile With Fly - Screen 60 mm Sill
Code: P.A.232.1115.600.0.BC.03



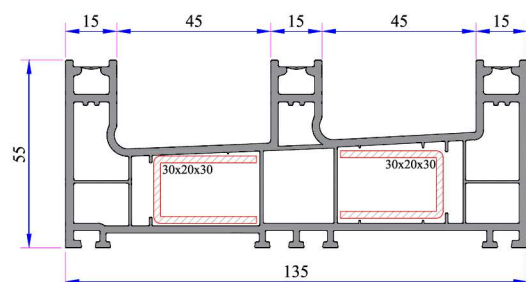
Frame Profile With Internal Fly-Screen
Code: P.A.242.1104.600.0.00.03



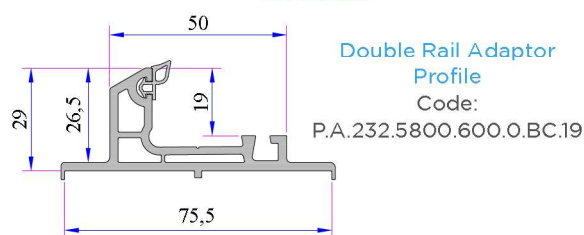
Frame Profile With Sill (Single Rail)
Code: P.A.232.1114.600.0.00.03



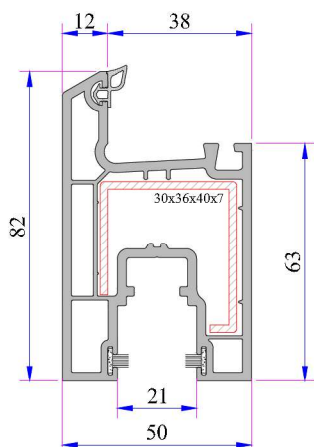
Frame Profile (Single Rail)
Code: P.A.232.1105.600.0.BC.03



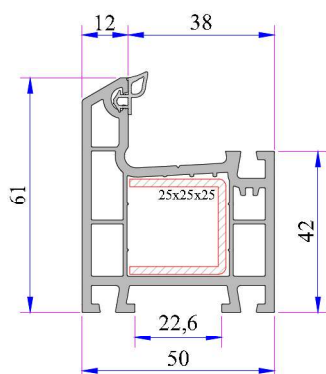
Frame Profile (Triple Rail) In Process



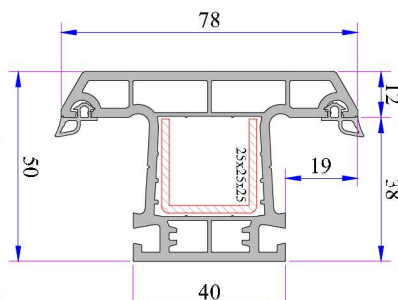
Double Rail Adaptor Profile
Code: P.A.232.5800.600.0.BC.19



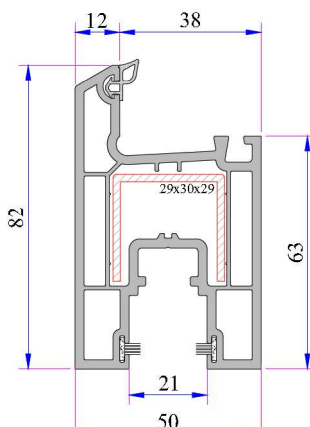
Sliding System Sash Profile (Static)
Code: P.A.232.2308.111.0.BC.01



332 Frame Profile
Code: P.A.332.1000.600.0.BC.03

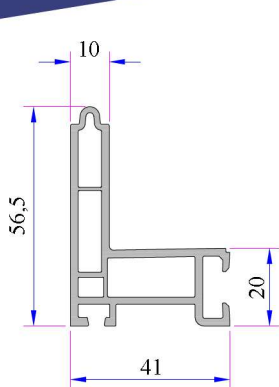


332 Mullion Profile
Code: P.A.332.3000.600.0.BC.03

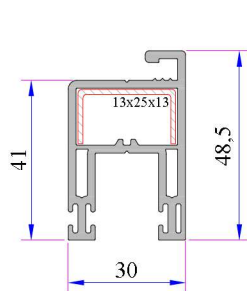


Sliding System Sash Profile
Code: P.A.232.2300.600.0.BC.03

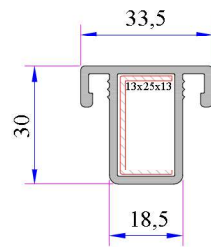
P 232 RAIL SERIES PVC PROFILE SYSTEM



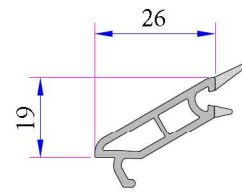
Screen Adaptör Profile
Code:
P.A.232.5802.600.0.00.19



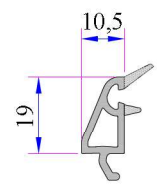
Fly-Screen Sash Profile
Code:
P.A.242.2305.600.0.00.03



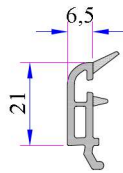
Fly-Screen Mullion Profile
Code:
P.A.242.3200.600.0.00.03



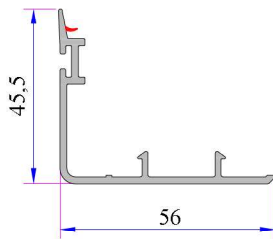
Single Glazing Bead (4mm)
Code:
P.A.332.4000.600.0.HC



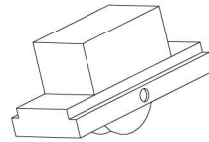
Double Glazing Bead (20mm)
Code:
P.A.332.4100.600.0.HC



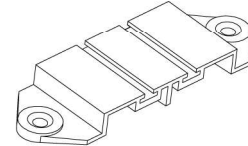
Double Glazing Bead (24mm)
Code:
P.A.532.4500.600.0.HC



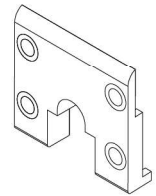
Sash Cover Profile
Code:
P.A.222.8700.600



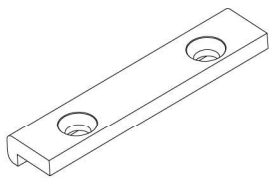
Sliding Roller Plastic
Code: 34009-17010



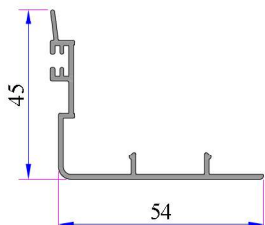
Sealing Bit Single Rail
Code: 34009-26020



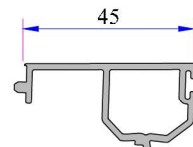
Sliding Sash End Bit
Code: 34009-46010



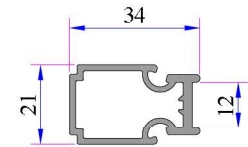
Upper bedding Piece for Sliding Rail
Code: 34009-36010



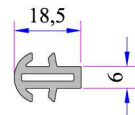
Alm. Sash Cover Profile
Code: 16051.601.5.1.1.9016



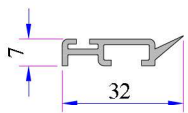
PVC Cover Profile
Code: 232.5702



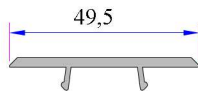
Alm. Double Rail Adaptor Profile
Code: AD16-011 (White)



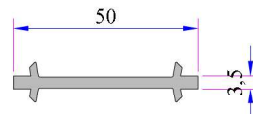
Short Coupling Profile
Code:
P.A.099.5003.600



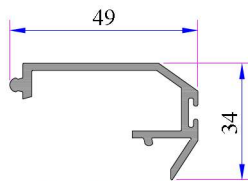
Lap Strip Profile
Code:
P.A.232.5301.600



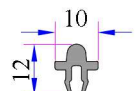
PVC Sash Cover Profile
Code:
P.A.232.5704.600



Narrow Coupling Profile
Code:
P.A.050.5001.600



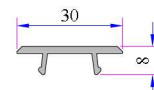
Alm. Cover Profile
Code:
16013.601.5.2.0.0000



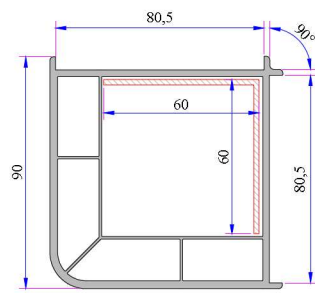
Alm. Sliding Rail Profile
Code:
16014.601.5.0.0.0000



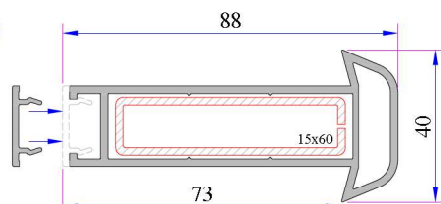
Universal Large Coupling Cover Profile
Code:
P.A.058.5707.600.0.00.19



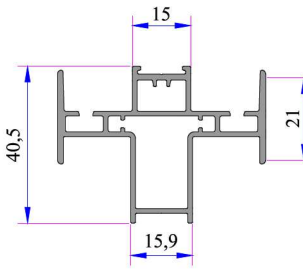
Screen Sash Cover Profile
Code:
P.A.242.5701.600



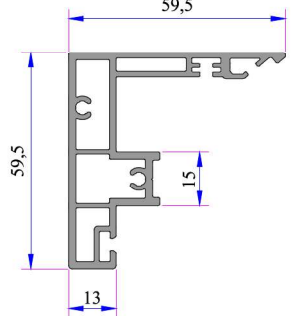
90° Corner Profile
Code: P.A.080.5100.600.0.00.19 (White)



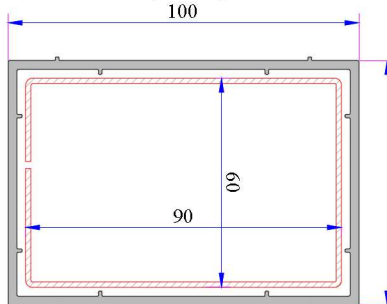
Universal Large Coupling Profile
Code: P.A.058.5000.600.0.19



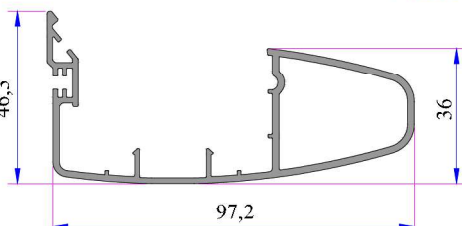
With Alum. Lug Double Sash Middle Adaptor (In Process)



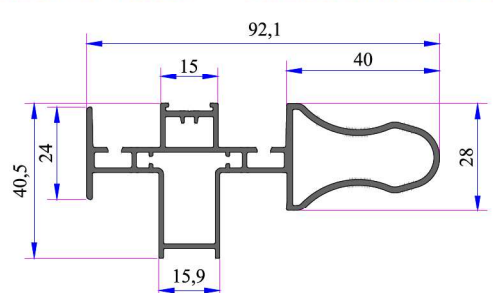
Alum. Sliding Mullion with 3 Chambered (In Process)



Box Profile (70x100)
Code: P.A.070.5202.600.0.00.19



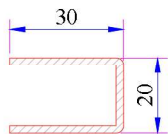
Sash Cover Grillage Profile
Code: 16028.601.5.2.0.0000



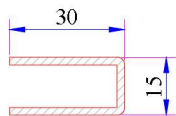
With Alum. Grillage Double Sash Middle Adaptor (In Process)

P 232 RAIL SERIES PVC PROFILE SYSTEM

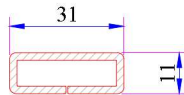
P 232 Re-Inforcement Profiles



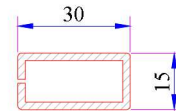
Double Rail Frame Profile Reinforcement
Code: 34022-12006



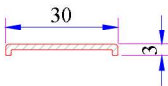
Frame Profile with Sill - Frame Profile with Flat Sill Reinforcement
Code: 34022-12034



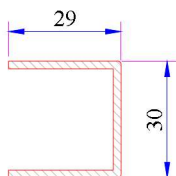
Frame With Fly-Screen & Sill Reinforcement
Code: 34022-12107



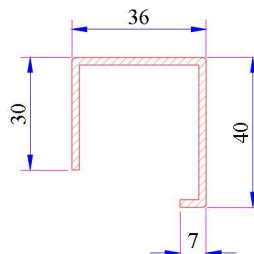
Frame Profile (Single Rail) - Frame Profile With Sill (Single Rail) Reinforcement
Code: 34022-12125



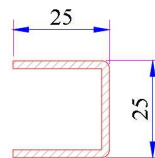
Frame Profile (Single Rail) - Frame Profile With Sill (Single Rail) Reinforcement
Code: 34022-12035



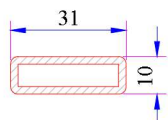
Sliding System Sash Profile Reinforcement
Code: 34022-12002



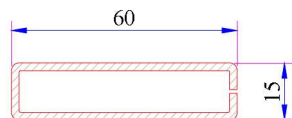
Sliding System Sash Profile (Static) Reinforcement
Code: 34022-12036



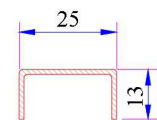
332 Frame - Mullion Profile Reinforcement
Code: 34022-12003



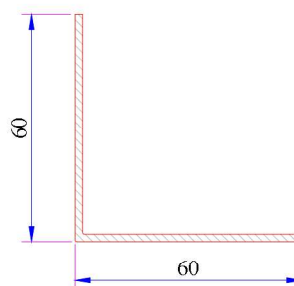
Frame With Internal Fly-Screen Reinforcement
Code: 34022-12107



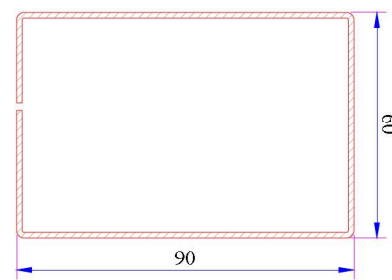
Universal Large Coupling Profile Reinforcement
Code: 34022-12123



Fly-Screen Sash - Fly-Screen Mullion Profile Reinforcement
Code: 34022-12008

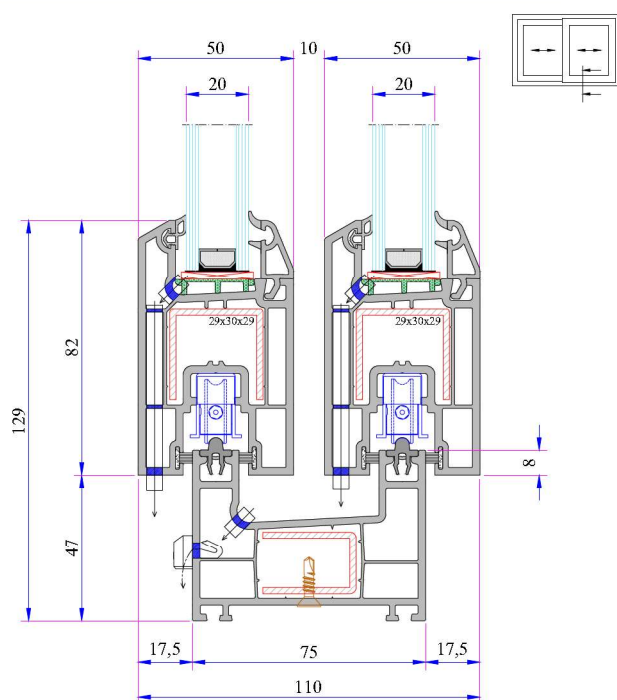


90° Corner Profile Reinforcement
Code: 34022-12306

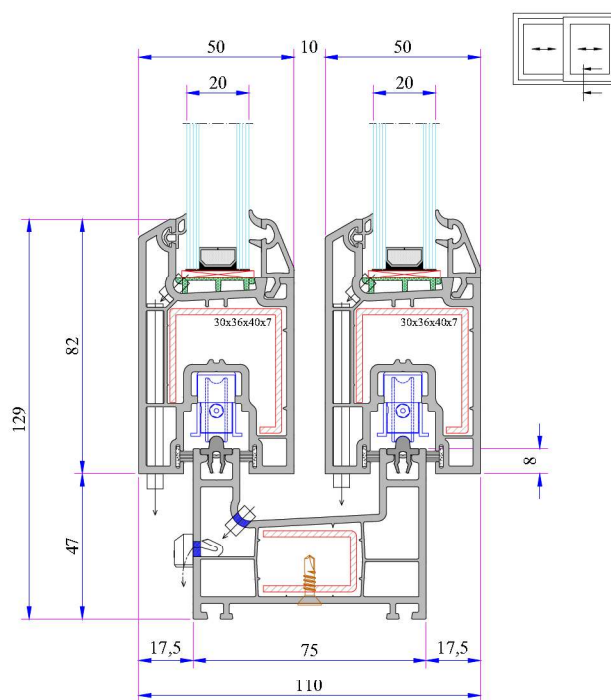


Box Profile Reinforcement
Code: 34022-12121

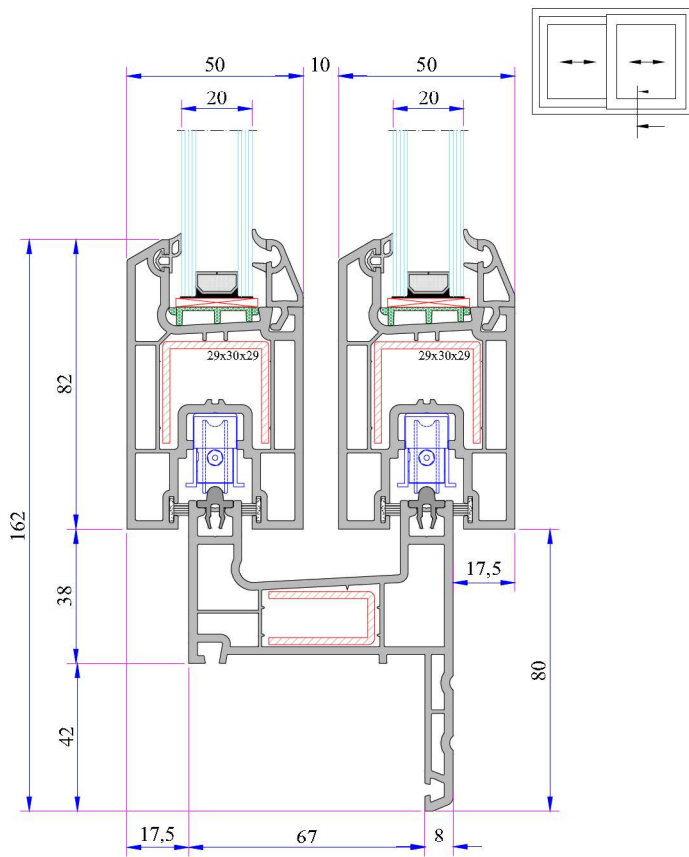
P 232 Installation



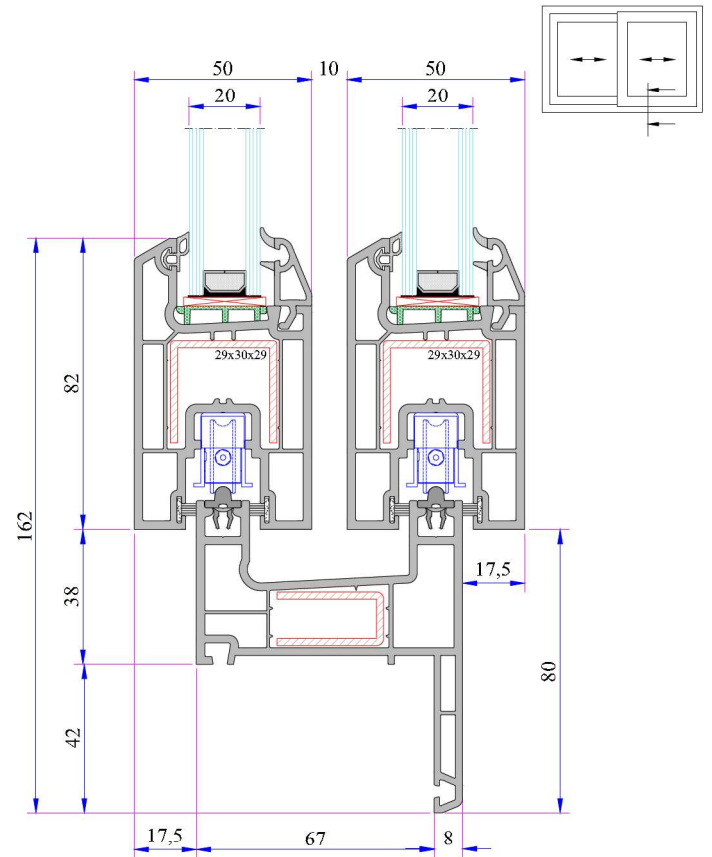
Sliding Frame Sash Double Rail Installation



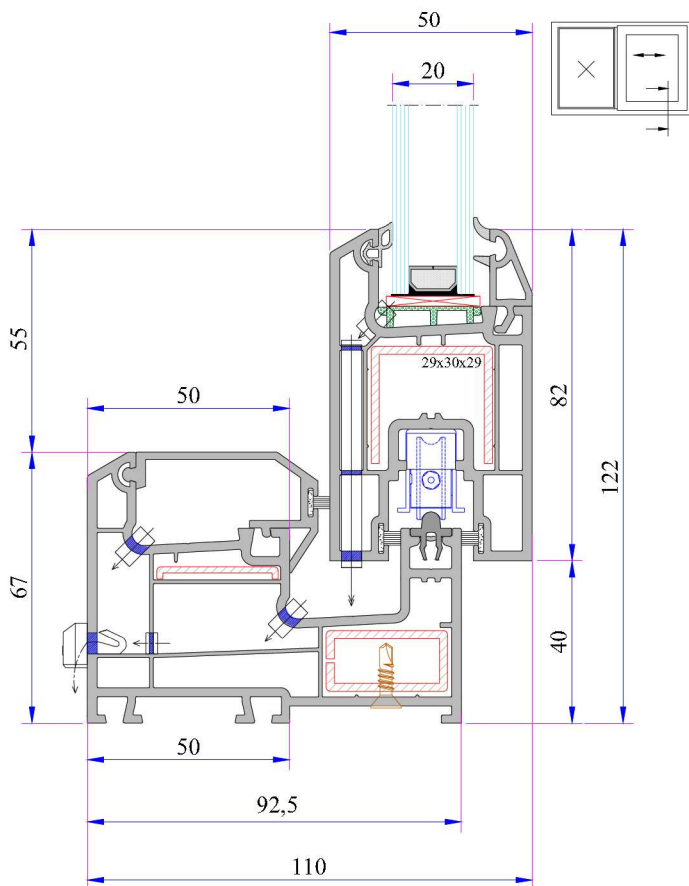
Sliding Frame Static Sash Double Rail Installation



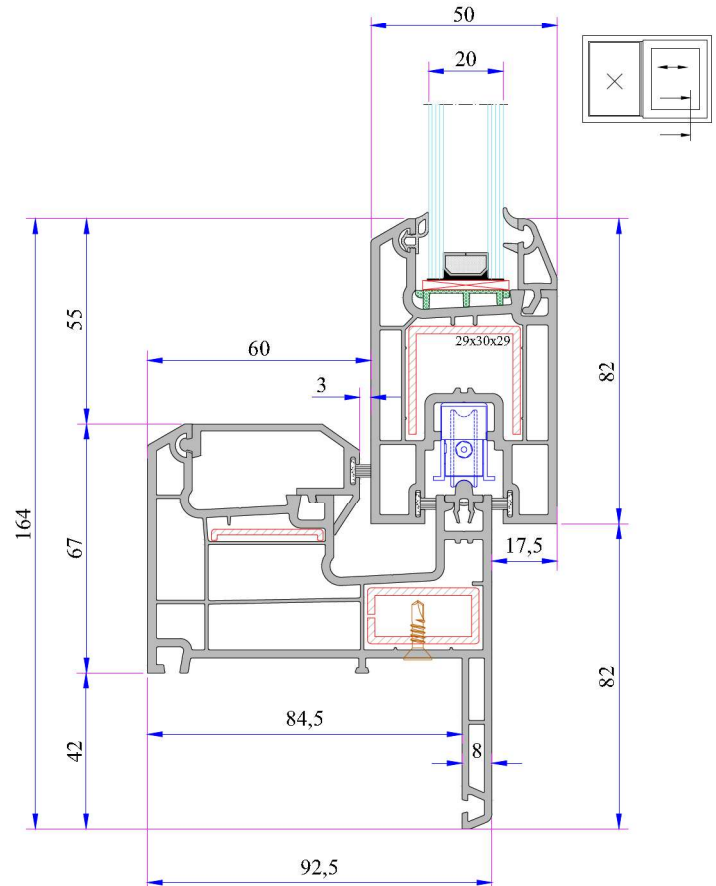
Double Sliding Frame with Sill - Sash Installation



Double Sliding Frame with Flat Sill - Sash Installation

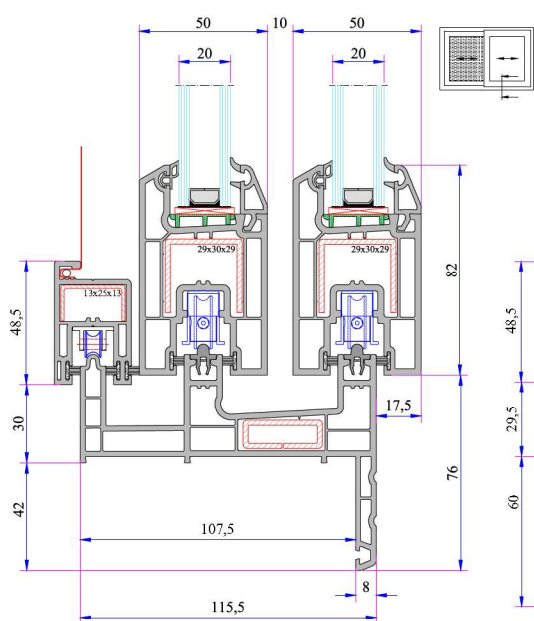


Sliding Frame Sash Single Rail Installation

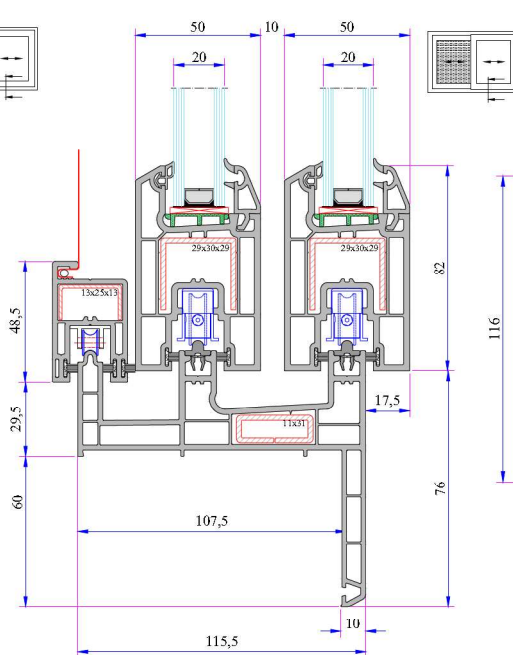


Frame Profile With Sill (Single Rail) Sash Installation

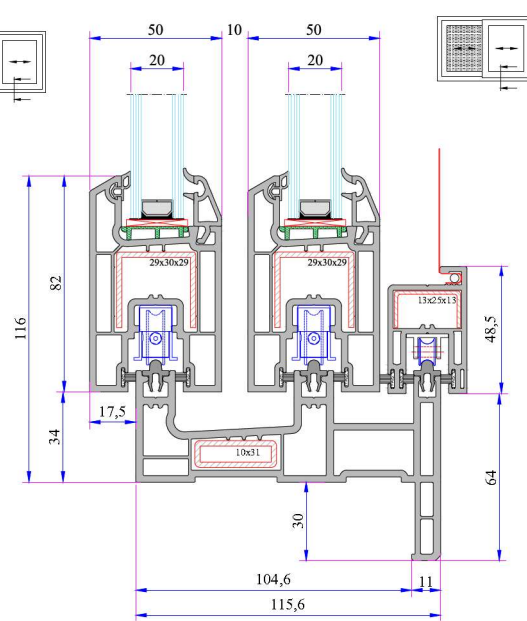
P 232 RAIL SERIES PVC PROFILE SYSTEM



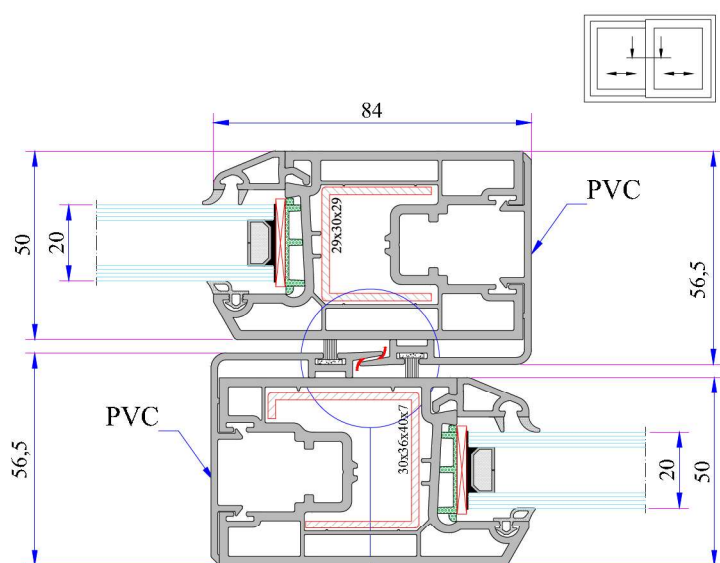
Sliding Frame - Sash - Screen -
Sash Installation



Sliding Frame - Sash - Screen -
Sash Installation

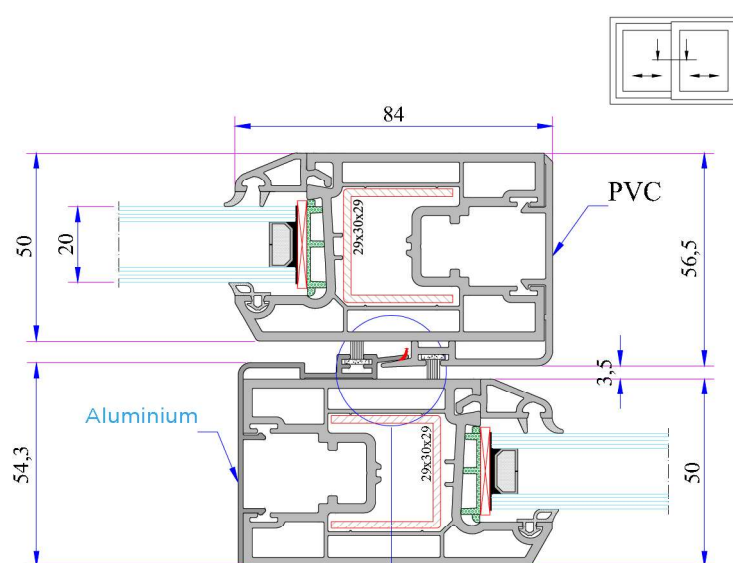


Sliding Frame - Sash - Screen -
Sash Installation



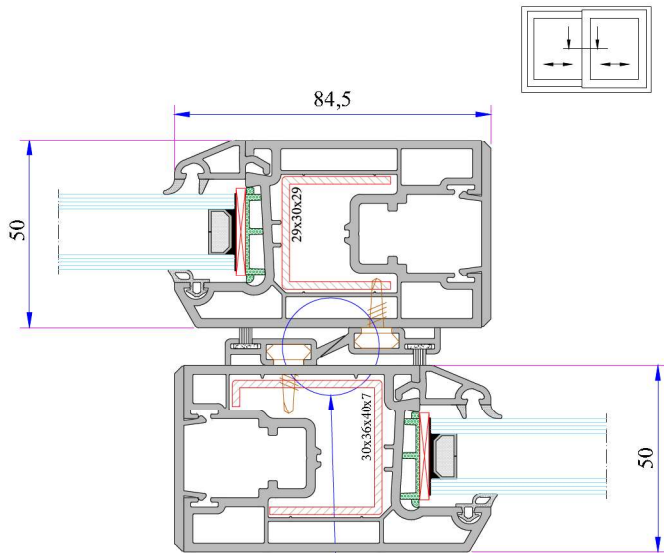
Alternative 1

PVC Sash Cover Profile Installation



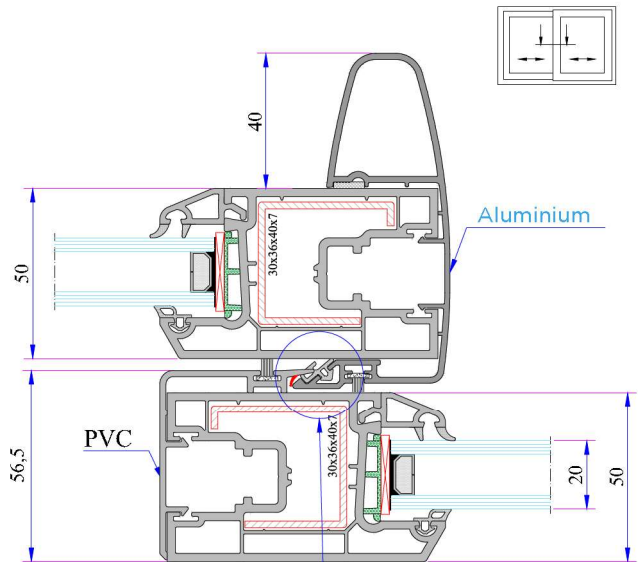
Alternative 2

PVC ve Aluminium Sash Installation Detail



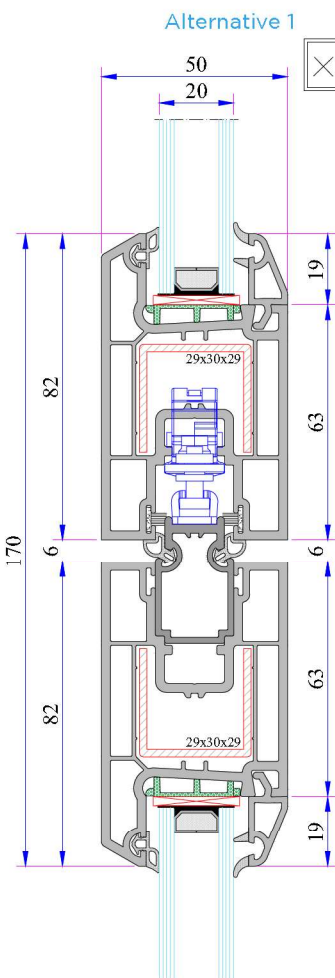
Alternative 3

PVC Sash Cover and Lap Strip Profile
Installation

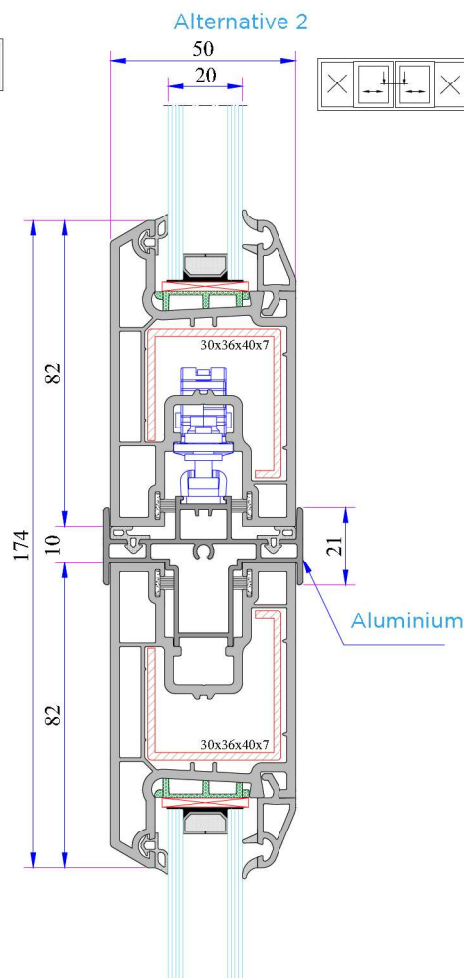


Alternative 4

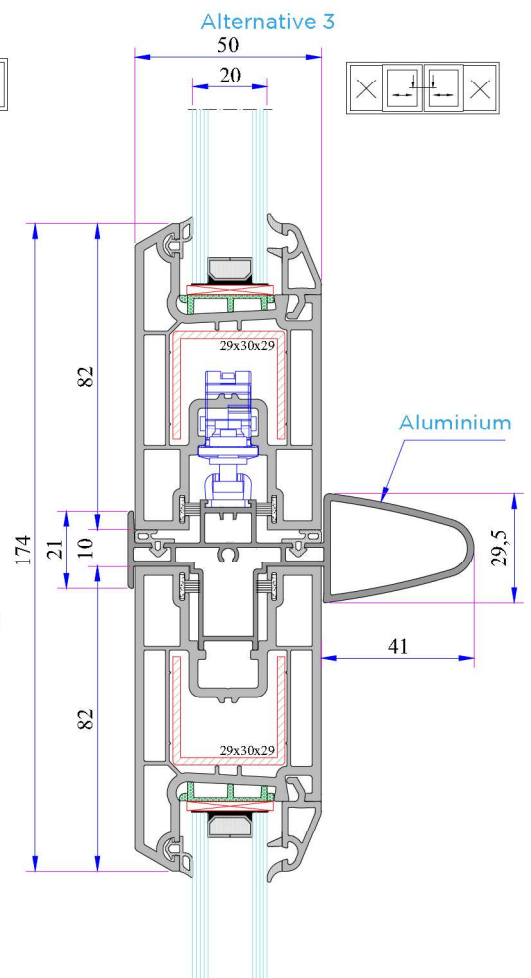
Alm. Sash Cover Grillage Profile Installation



Alum. Double Rail Adaptor Installation
Four Sash Middle Profile)

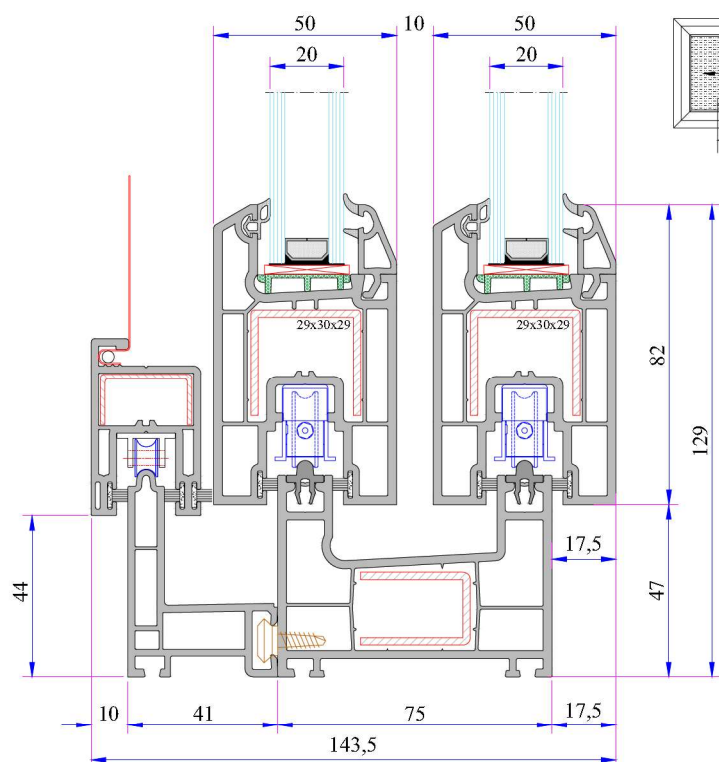


With Alum. Lug Double Sash Middle
Adaptor Installation (Four Sash Middle
Profile)

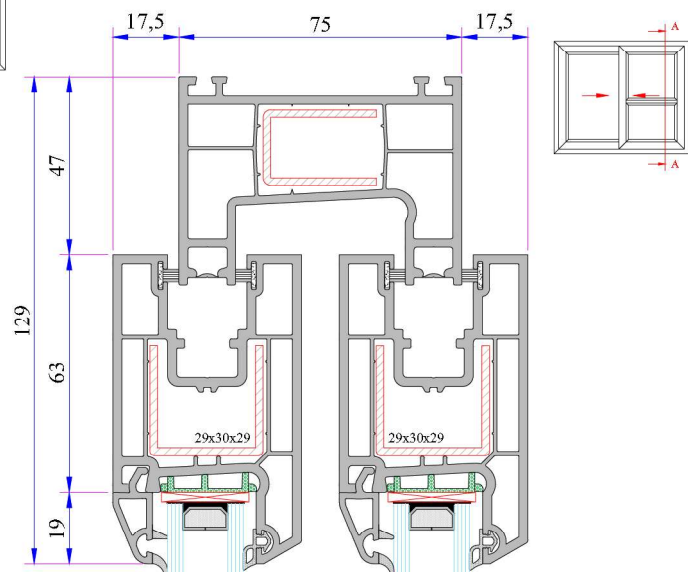


With Alum. Grillage Double Sash Middle
Adaptor Installation (Four Sash Middle
Profile))

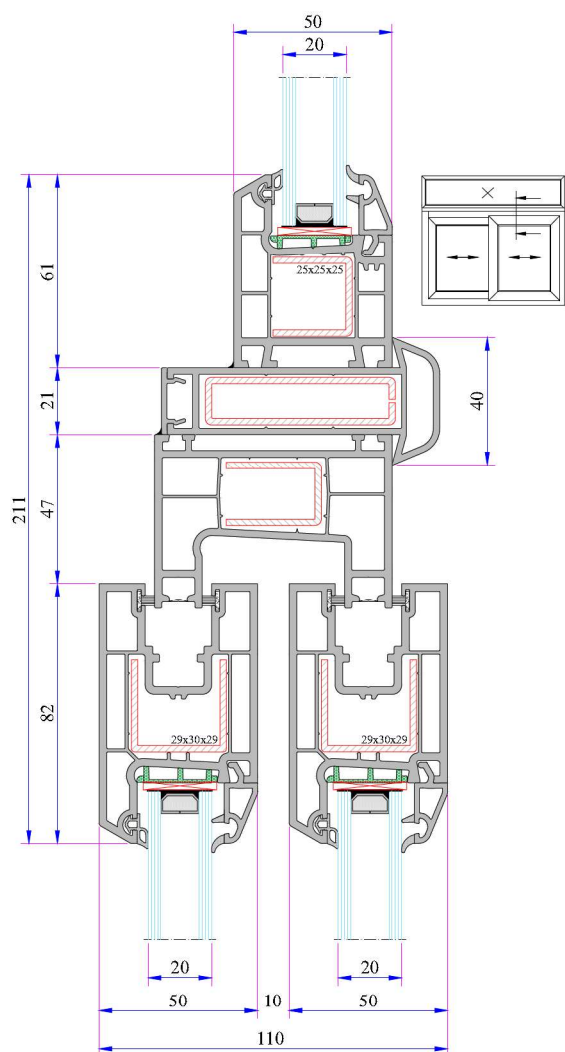
P 232 RAIL SERIES PVC PROFILE SYSTEM



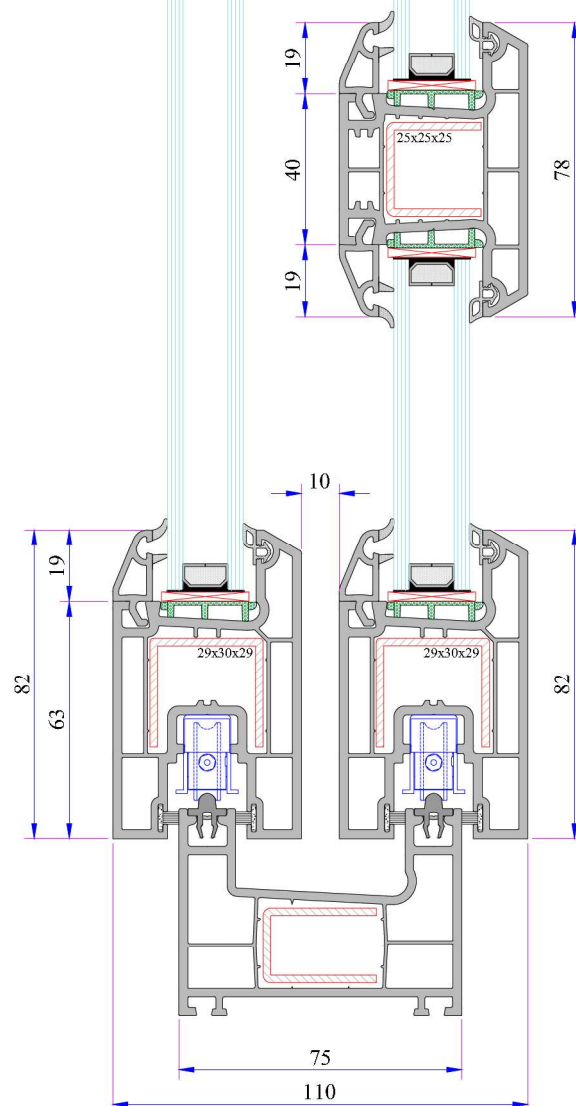
Double Railed Sliding Sash - Sliding Sash -
Screen Profile Installation

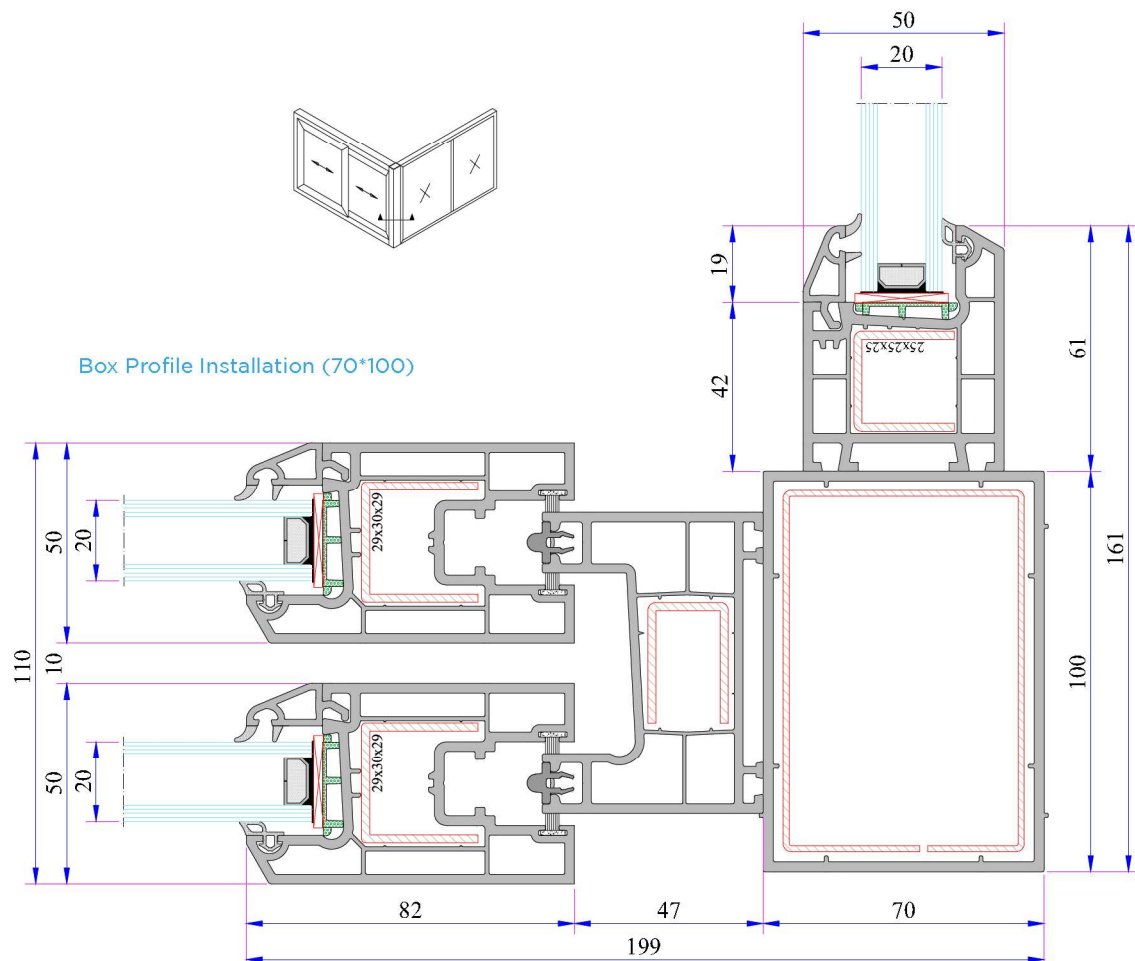
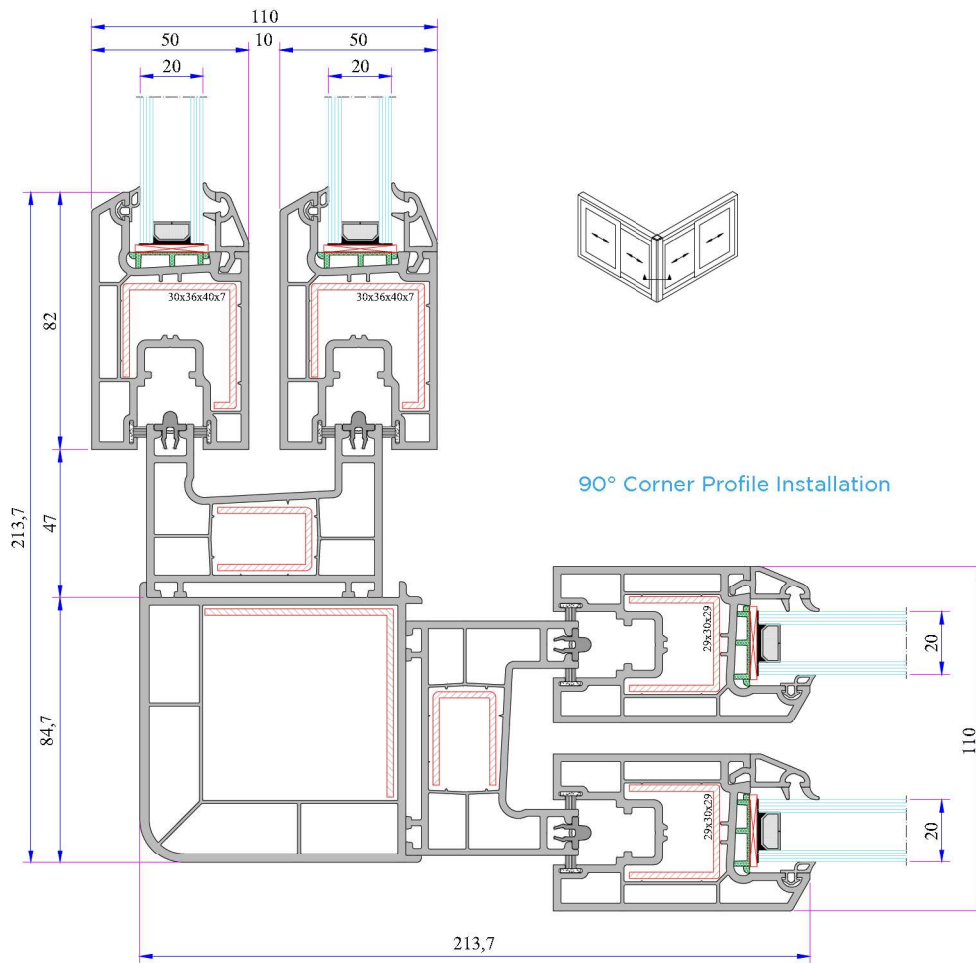


Mullion Profile Installation

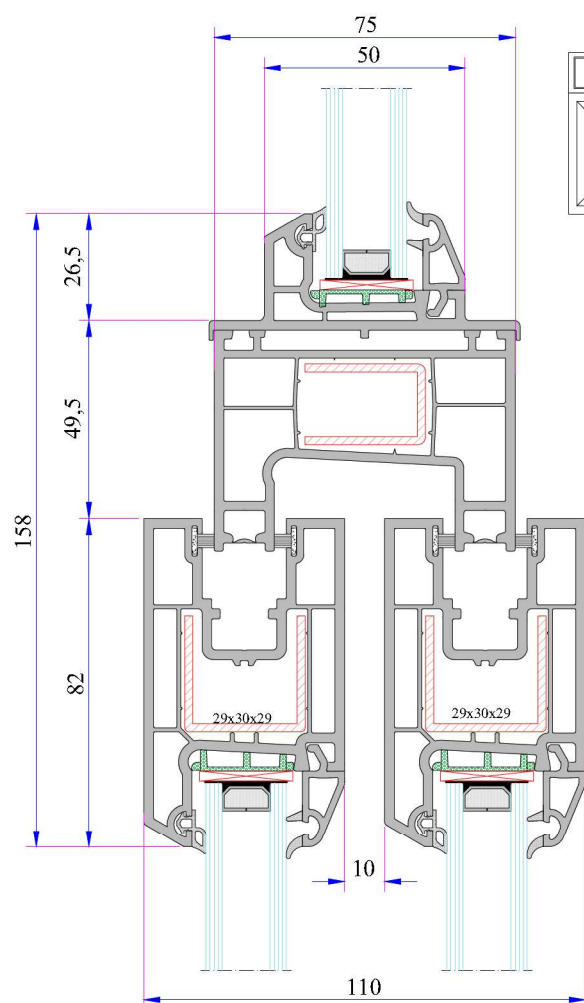


Universal Large Coupling Profile Installation

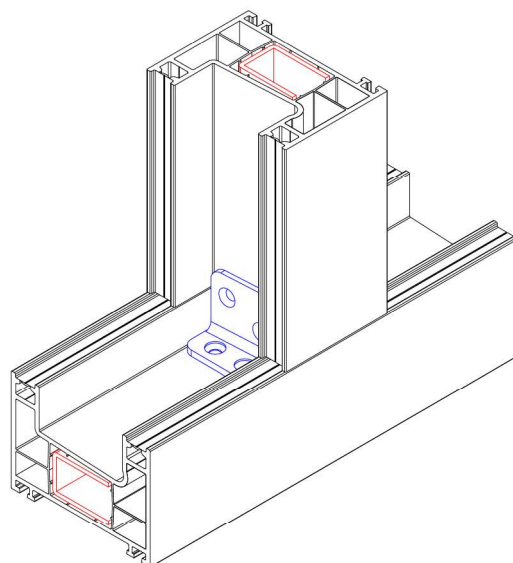




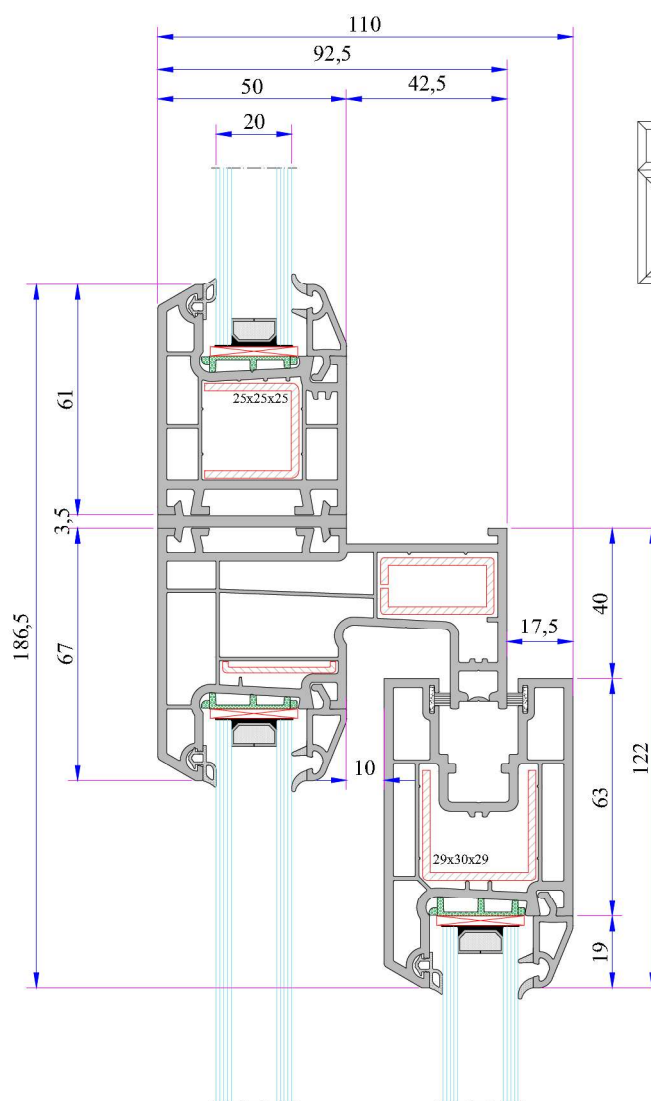
P 232 RAIL SERIES PVC PROFILE SYSTEM



Upper Fixed Lower Part Double Railed
Sliding Installation



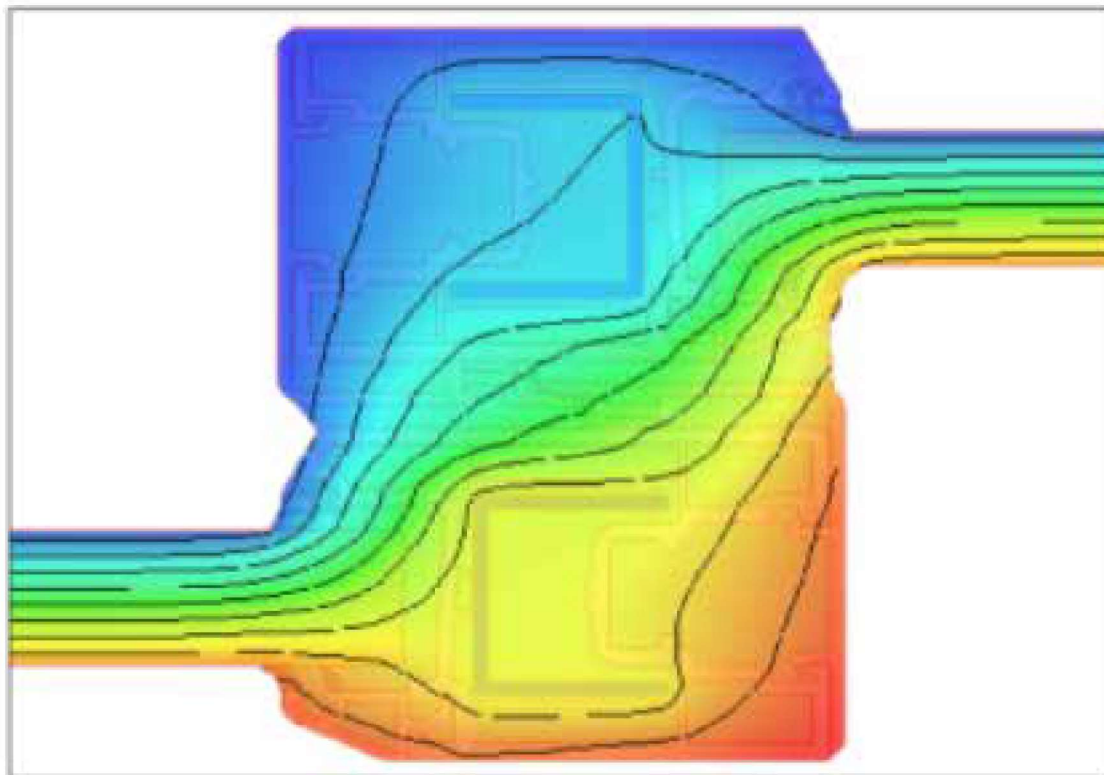
Upper Fixed Lower Part Single Railed
Sliding Installation



Project name:	232 Sürme Seri		
	Kanat- Kanat Uf		
Transmittance (Uf):	1.8012 W/m ² K	Internal T:	20.00 °C
Conductance (Lf2D):	0.6634 W/mK	External T:	0.00 °C
Frame length (Bf):	83.74 mm		



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



Node details

Primitives used for finite element simulation:	27408
Frame width (Bf):	83.74 mm
Visible insulation panel width (Bp):	380.01 mm
Insulation panel thickness (Dp):	-

External boundary conditions:

Temperature:	0.00 °C
Surface resistance:	0.040 m ² K/W

Internal boundary conditions:

Temperature:	20.00 °C
Surface resistance:	0.130 m ² K/W
Humidity:	65.00 %

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

Internal/external temperature difference:	20.00 °C
2D conductance (Lf2D):	0.6634 W/mK
Transmittance (Uf):	1.8012 W/m²K





FACTORY

Antalya Organize Sanayi Bölgesi 2.Kısım Mah. 21.Cadde No:3

07040 Döşemealtı / ANTALYA / TURKEY

Tel : +90 242 236 20 00 · Faks : +90 242 236 20 90 · Email : info@ado.com.tr

