



Arcolux

Saddle roofs



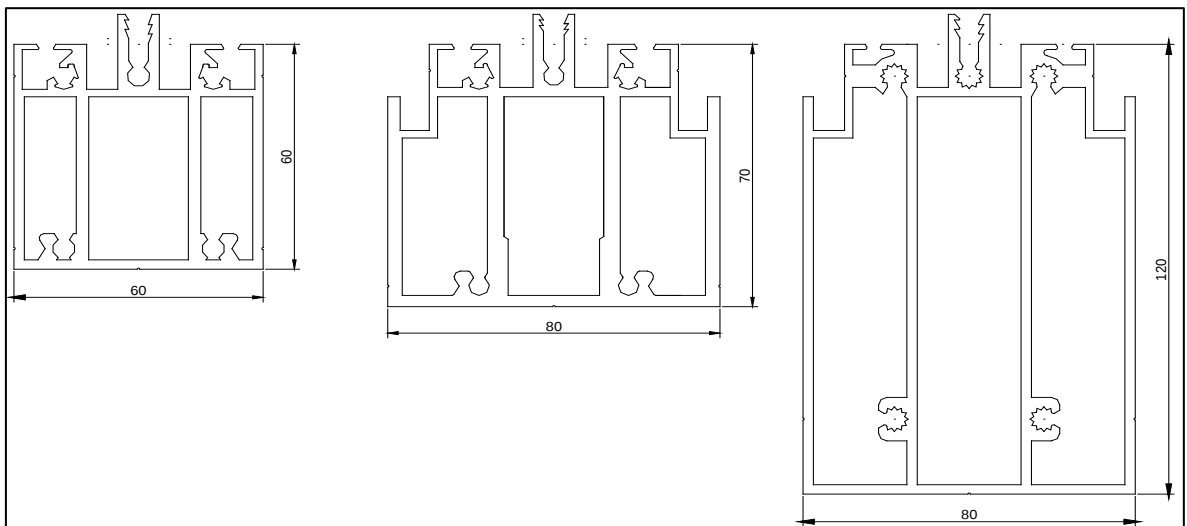
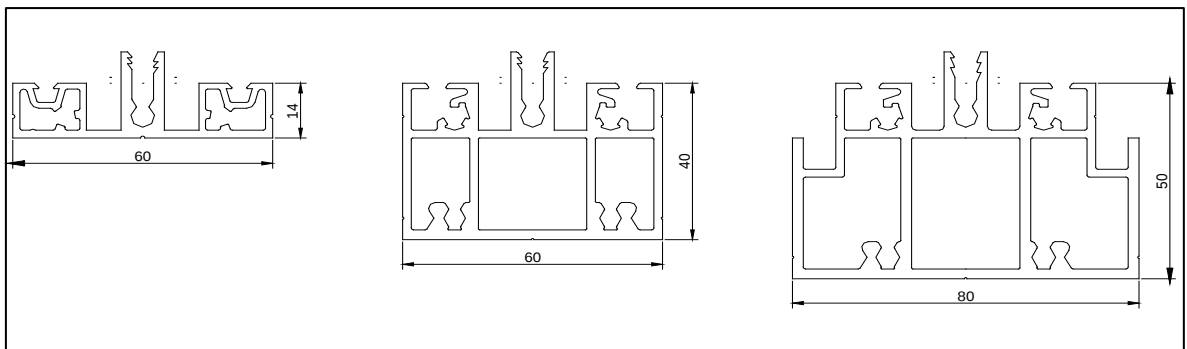
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Support ribs for saddle roofs

Technical specifications

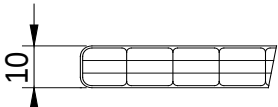
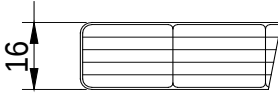
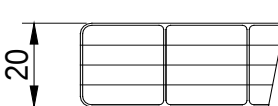
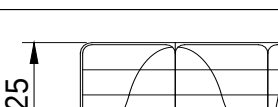
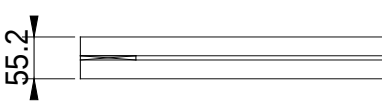
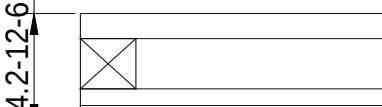
Support ribs in aluminium (F25).								
Profile	σ_b N/mm ²	$\sigma_{0,2}$ N/mm ²	τ_b N/mm ²	E N/mm ²	A mm ²	I_x mm ⁴	c_1 mm	c_2 mm
3014	245	195	145	70000	382	12200	14,9	7,1
3040	245	195	145	70000	790	164300	27,3	20,7
3050	245	195	145	70000	1066	321200	33,6	24,4
3060	245	195	145	70000	1019	475800	35,2	32,8
3070	245	195	145	70000	1594	887400	44,6	33,4
3120	245	195	145	70000	1866	3226700	64,6	63,4



Example Maximum width saddle roof in multiwall sheets		
Sheets : Multiwall 16mm 3-wall Loads : Snow 750 N/m ² , Wind : 640 N/m ² Bar to bar distance of the support ribs : 1065 mm		
Profile	Angle	Width
3014	30°	1550
3040	30°	3800
3050	30°	4800
3060	30°	5400
3070	30°	6650
3120	30°	9550

Example Maximum width saddle roof in glass		
Sheets : Glass 44.2/12/6 Loads : Snow 750 N/m ² , Wind : 640 N/m ² Bar to bar distance of the support ribs : 900 mm		
Profile	Angle	Width
3014	30°	1550
3040	30°	3500
3050	30°	4000
3060	30°	4400
3070	30°	5150
3120	30°	7100

Other shapes on request

Sheets								
Polycarbonate / Glass		Thickness in mm	Colour	Light transmittance in %		Heat transfer coefficient in W /m ² K	Fire classification	weighed sound reduction index in dB
Multiwall		10	Clear	68	65	2,50	B - s1, d0	17
			opal	61	63			
		16	Clear	59	57	1,82	B - s1, d0	20
			opal	42	47			
		20	Clear	64	75	1,80	B - s2 , d0	22
			opal	38	65			
		25	Clear	44	66	1,50	B - s2 , d0	23
			opal	24	50			
Glass		Variable						*
		Variable						*

* Depending on the thickness of the sheets

Heat protected sheet on request

Other colours on request

Other technical specifications on request

