



Window system SAPA 1086

Sapa Window 1086 has a strong design based on 86 mm deep profiles. It is insulated with 42 mm glass-fibre-reinforced polyamide strips and meets the highest classes of airtightness and watertightness, and has a very low U-value. To maximize energy performance it can be fitted with special insulation strips to meet super-insulated (SX) specification or Passive House (PX) specification.

Available as fixed, inward-opening and outward-opening window with optional concealed hinges. Variants: 1086 WINDOWS: - 1086 (inward and outward opening) - 1086 SX (inward) - 1086 PX (inward) Depth of frame 86mm Depth of sash 95,5mm Glazing range 20-64mm (1086, 1086 SX) 35-55mm (1086 PX) Max. weight of sash hinges)/150kg (hidden hinges)/100kg (outward window) Max/min dimensions of 1600x2400mm/500x600mm (visible hinges) 1600x2000mm/480x600mm (hidden hinges) for turn and tilt inward window 800x1900mm/700x550mm for turn outward window 1900x800m/550x700mm for tilt outward window Air Class 4 according to EN 12207 (600 Pa) Water tightness: Wind load classification: Burglar Class RC2 according to EN 1627 (apart outward window)					
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Depth of sash Glazing range 20-64mm (1086, 1086 SX) 35-55mm (1086 PX) Max. weight of sash Max/min dimensions of sash 600x2400mm/500x600mm (visible hinges) 1600x22000mm/480x600mm (hidden hinges) for turn and tilt inward window 800x1900mm/700x550mm for turn outward window 1900x800m/550x700mm for tilt outward window 1900x800m/550x700mm for tilt outward window Class 4 according to EN 12207 (600 Pa) Water tightness: Wind load classification: Burglar Class RC2 according to EN 1627 (apart outward	Variants:	1086 (inward and outward opening)1086 SX (inward)			
Glazing range 20-64mm (1086, 1086 SX) 35-55mm (1086 PX) Max. weight of sash linges)/100kg (visible hinges)/150kg (hidden hinges)/100kg (outward window) Max/min dimensions of 1600x2400mm/500x600mm (visible hinges) for turn and tilt inward window 800x1900mm/700x550mm for turn outward window 1900x800m/550x700mm for tilt outward window 1900x800m/550x700mm for tilt outward window Class 4 according to EN 12207 (600 Pa) Water Class 9A according to EN 12208 tightness: Wind load classification: Burglar Class RC2 according to EN 1627 (apart outward)	Depth of frame	86mm			
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permeability: Water tightness: Wind load classification: Burglar Class 9A according to EN 12208 Class C3 according to EN12210 Class RC2 according to EN 1627 (apart outward)	dimensions of	1600x2000mm/480x600mm (hidden hinges) for turn and tilt inward window 800x1900mm/700x550mm for turn outward window			
tightness: Wind load Class C3 according to EN12210 classification: Burglar Class RC2 according to EN 1627 (apart outward		Class 4 according to EN 12207 (600 Pa)			
classification: Burglar Class RC2 according to EN 1627 (apart outward		Class 9A according to EN 12208			
		Class C3 according to EN12210			
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Examples of heat transfer coefficients Uw

Window scheme		Cross section	Value Uw [W/m²K] 3-layer glass with black warm edge	
				Ug=0,5
		42728 42728 42728 42728 42728 42728 42728 42728 42728 42728 42723 42723 42723	1,0	0,9
+ + J		88-302 42728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728 47728	1,2	1,1
1480		4773 4772 4772 4773 4772 4773 4773 4773	1,2	1,1
1230		42728 42728 42728 55302 55302	0,88	0,73
1530	1086 SX	42728 42728 42728 42728 42728 42728 42728 42728 42722 86001	1,0	0,9
	1086 PX	42726 42726 42726 4 mm (6 mm) (6 mm) (6 mm) (6 mm) (6 mm) (4 mm) (5 mm) (6 mm) (6 mm) (7 mm) (8 mm) (8 mm) (8 mm) (9 mm) (1 mm) (2 mm) (3 mm) (4 mm) (4 mm) (4 mm) (5 mm) (6 mm) (6 mm) (6 mm) (7 mm) (7 mm) (8 mm) (8 mm) (9 mm) (1 mm)	-	0,71

