

SUNTUF® Rooflights Data Sheet

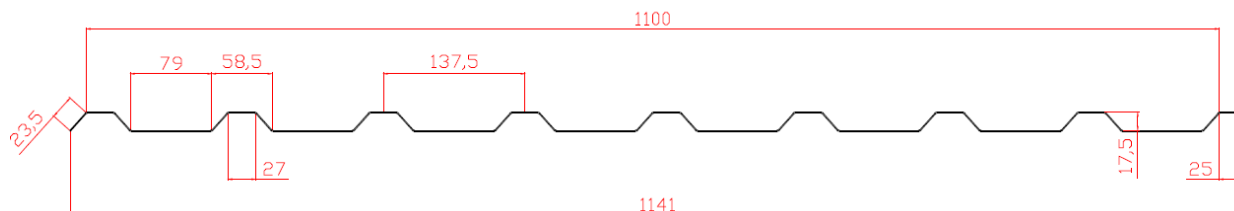
Profile: 7830 (137.5/17.5)



Product Description:

- SUNTUF Co-extruded UV protection on one side.
- SUNTUF UV2 Co-extruded UV protection on two sides.

Profile drawing:



General properties:

Profile (mm)	Thickness (mm)	Length (m)	Overall width (mm)	Cover Width (mm)	Side-Lap (%)
137.5/17.5	1-1.2	1.5 - 11.6	1141	1100	3.5

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)			
	1.0 mm		1.2 mm	
	End Span	Mid Span	End Span	Mid Span
75	950	710	1000	750
100	875	650	925	690
125	800	600	850	640
150	750	560	800	600
175	725	540	750	560
200	675	510	725	540

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of L/20, and minimum slope of 10%.
- The maximum roof spans are based on calculation model and practical testing.
- The mentioned load refers to wind and snow load only.
- For vertical application spans can be increased by 10%.

Curved roof

- Minimum curving radius - 7m.

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Typical Properties

Property	Standard	Conditions	Unit	Value
Density	ASTM D792	-	g/cm ³	1.2
Heat Deflection Temperature	ASTM D648	1.82 MPa	°C	130
Service Temperature (Short term)	-	-	°C	-50 to 120
Service Temperature (Long term)	-	-	°C	-50 to 100
Coefficient of Linear Thermal Expansion	ASTM D696	-	cm/cm °C	6.5 X 10 ⁻⁵
Thermal Conductivity	ASTM C177	-	W/mK	0.21
Tensile Strength at Yield	ASTM D638	10 mm/min	MPa	62
Tensile Strength at Break	ASTM D638	10 mm/min	MPa	65
Elongation at Yield	ASTM D638	10 mm/min	%	7
Elongation at Break	ASTM D638	10 mm/min	%	>80
Tensile Modulus of Elasticity	ASTM D638	10 mm/min	MPa	2300
Flexural Strength	ASTM D790	1.3 mm/min	MPa	93
Flexural Modulus	ASTM D790	1.3 mm/min	MPa	1890
Impact Falling Weight (E-50)	ISO 6603/1		J	50
Rockwell Hardness	ASTM D785		R Scale	118R
Light Transmission	ASTM D1003		%	90
Haze	ASTM D1003		%	<0.5
Yellowness Index	ASTM D1925			<1

*Please refer to Technical guide for more details.