

SUNTUF® Rooflights Data Sheet

Profile: 9010

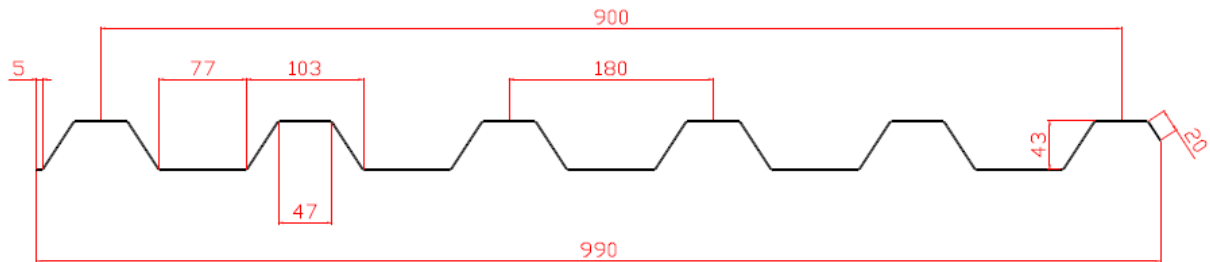


02/04/2019

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 (%)
180/43	1.0-1.5	1.5 - 11.6	990	900	9

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)					
	1.0 mm		1.2 mm		1.5 mm	
	End Span	mid Span	End Span	mid Span	End Span	mid Span
75	1390	1850	1390	1850	1575	2100
100	1240	1650	1310	1750	1425	1900
125	1160	1550	1240	1650	1310	1750
150	1090	1450	1160	1550	1240	1650
175	1010	1350	1090	1450	1200	1600
200	975	1300	1050	1400	1125	1500

- 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 – 17m.

SUNTUF® Rooflights Data Sheet

Profile: 9010



02/04/2019

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) Service Temperature (Long term)	-	-	°C	-50 to 120 -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.