

SUNTUF® - Rooflights Data Sheet

Profile: IRON 1040

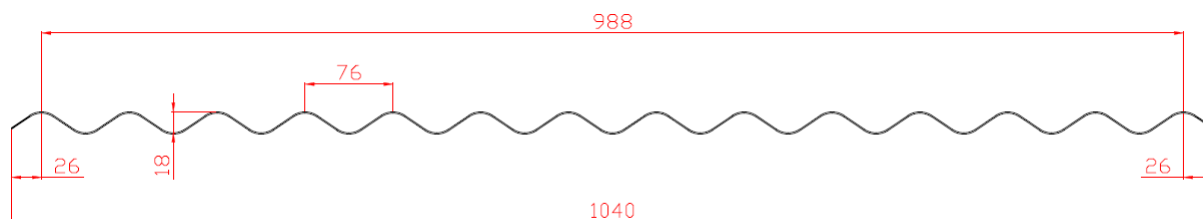


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Product Description:

- 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 (%)
76 / 18	0.8	1.5 - 11.8	1040	988	5

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)
	0.8 mm
50	850
75	750
100	700
125	650
150	625

- 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 – 6m.

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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	Clear Bronze	%	90 25
Haze	ASTM D1003		%	<0.5
Yellowness Index	ASTM D1925			<1

*Please refer to Technical guide for more details.