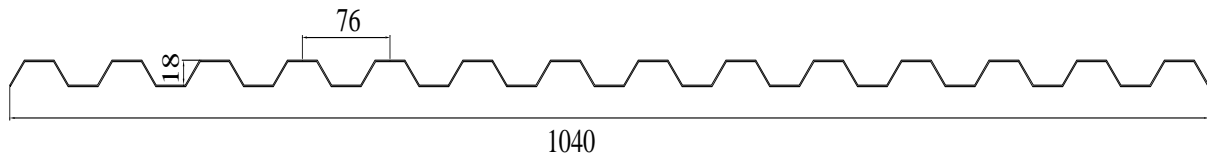


### Product Description:

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

### Profile drawing:



### General properties:

Dimension	Value
Thickness (Avg.)	0.8-1.2 mm
Length	1,500-11,600 mm
Net cover	988 mm
Profile height	18 mm

### Load / Span Data

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm)		
	0.8mm	1.0mm	1.2mm
50	975	1050	1125
75	850	925	975
100	775	850	900
125	725	775	825
150	675	725	775

- 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%.
- For end field and single-span rooflights spans should be decreased by 25%.

### Typical Properties

Property	Standard	Conditions	Unit	Value
Density	ASTM D792	-	g/cm <sup>3</sup>	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 <sup>-5</sup>
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	%	90
		Bronze	%	25
Haze	ASTM D1003		%	<0.5
Yellowness Index	ASTM D1925			<1

\*Please refer to Technical guide for more details.