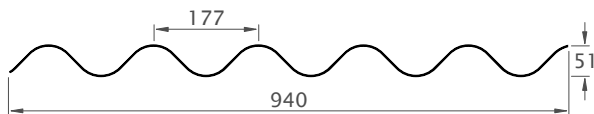
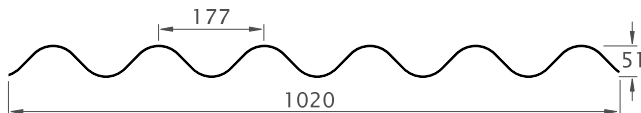
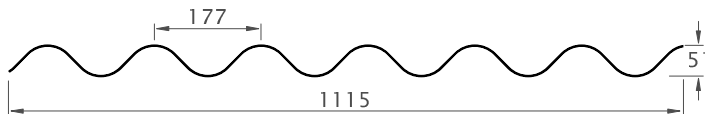
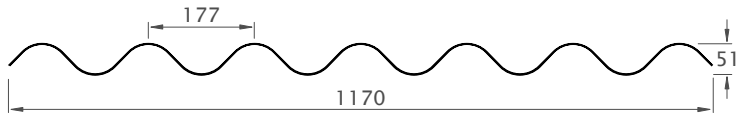


Product Description:

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







Profile drawing:

Product name	Drawing
177 / 51 - 920	
177 / 51 - 1020	
177 / 51 - 1100	
177 / 51 - 1170	

General properties:

Dimension	Value
Thickness	0.8 to 2.0 mm
Length	1500-11,600 mm
Width	5-1/2 waves, 940 mm 6 waves, 1020 mm 6-1/2 waves, 1115 mm 7 waves, 1170 mm
Profile height	51 mm

Load / Span Data

Load (kg/m ²)	Maximum Roof Span (mm)					
	1.0 mm		1.2 mm		1.5 mm	
	Single Span 	Multi Span 	Single Span 	Multi Span 	Single Span 	Multi Span 
50	1350	1550	1400	1650	1550	1750
75	1150	1350	1250	1450	1350	1550
100	1050	1200	1100	1300	1200	1400
125	1000	1150	1050	1200	1100	1300
150	900	1050	1000	1150	1050	1200

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of L/50, and minimum slope of 5%.
- 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%.

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)	-	-	-	-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.