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TECHNICAL DATASHEET


ARUN PLASTO MOULDERS (INDIA) PVT. LTD.
PLOT: A14, SIPCOT INDUSTRIAL PARK,
PILLAIPAKKAM, SRIPERUMBUDUR,
KANCHIPURAM - 602 105.

TOP SEAM PANEL SYSTEM

RoofLite Top Seam Polycarbonate Multicell Panel Systems are produced with UV infused world-class raw materials at its manufacturing facility in Chennai. All RoofLite Top Seam sheets are both sides UV protected, by co-extrusion process, to avoid the increase of yellow index. Various additional coating is available for customization, that can be selected at the time of purchase, according to the customer requirements.

Top Seam Panel Systems are extensively used world wide today because of its virtually unbreakable strength and flexibility. And architects can also play with their design by utilizing the different colors and finishes available.





WHY CHOOSE ROOFLITE TOP SEAM PANEL SYSTEM?

- 1 EASY TO INSTALL

- 2 HIGH STRENGTH & LOW WEIGHT



- 3 DAYLIGHT TRANSMISSION

- 4 GOOD HEAT INSULATION

- 5 REDUCE HVAC COST

- 6 CUSTOMIZED COLOR & FINISHES

TECHNICAL SPECIFICATIONS

THICKNESS (mm)	WEIGHT (kg/m²)	U-VALUE (W/m²°C)	Min.COLD BENDING RADIUS (mm)	SOUND PROOFING (Dba)	STRUCTURE	DIMENSIONS	FLAMMABILITY
6	1.88	2.80	1450	18	3 CELL/4 WALL 	WIDTH 0.900 mm	UL-94 HB
8	2.06	2.60	1900	17			
10	2.46	2.40	2300	21			
12	2.66	2.10	2600	21			
16	3.38	1.62	2900	22	5 CELL/6 WALL 	LENGTH CUSTOMIZABLE	
20	3.78	1.50	3000	22			
22	4.18	1.50	4000	22			
25	4.67	1.40	4500	22			

*Customizable length options are limited to transportation capabilities

DESCRIPTION	STANDARD	RESULT
HAIL IMPACT	ASTM E 822-81	PASS (No Penetration of Polyamide stone with 20mm dia at 21 m/s)
SANDBAG IMPACT TEST	APPL PC SBIT	PASS
TENSILE MODULUS	DIN 53457	2400 MPa
ELONGATION AT BREAK	ASTM D 638	150%
CO-EFFICEINT OF LINEAR THERMAL EXPANSION	ASTM D 696	0.065 mm/m°C
SERVICE TEMPERATURE	-	-40°C to 150°C
VICAT SOFTENING TEMPERATURE	DIN 53460	150°C
DENSITY	ASTM D 792	1.2 g/cc
WATER ABSORPTION	ASTM D 570	0.07%

TECHNICAL SPECIFICATIONS

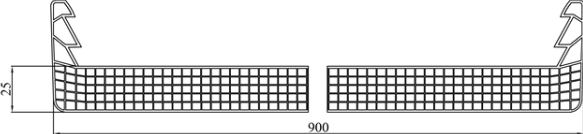
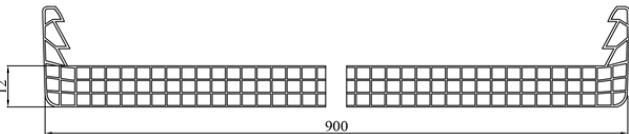
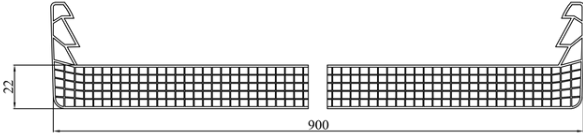
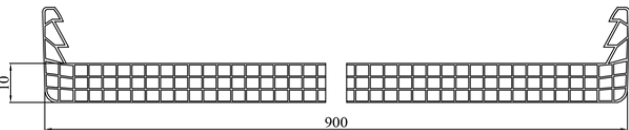
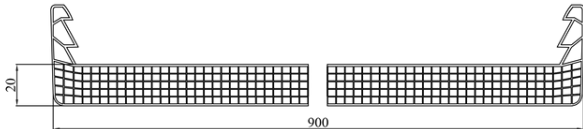
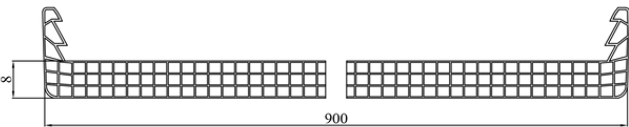
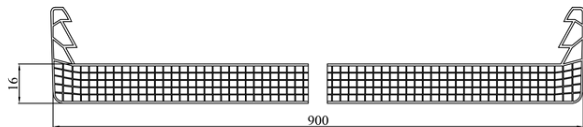
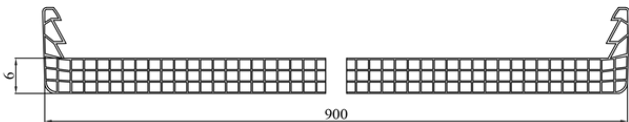
COLOR	LIGHT TRANSMISSION (%)	
	6 – 12 mm	16 – 25 mm
THICKNESS		
CLEAR	70	65
OPAL	47	40
ICE	50	40
BLUE	50	48
GREEN	46	42
METALLIC GREY	20	12
BRONZE	45	30

*Customizable color & LT options are limited to manufacturer's MOQ

- Hail Impact Resistance
- Yellow Index
- Light Transmission

CONFIGURATION

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FOR ENQUIRY

ROOFLITE POLYCARBONATE SHEETS



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