

PRODUCT DATA SHEET (REV20250527)

PC / POLYCARBONATE **MULTIWALL BOX 2-WALL** SHEET

Lightweight Multiwall Polycarbonate for High-Light Transmission and Energy-Efficient Glazing.

SRT Plastics Multiwall BOX 2-Wall is a twin-wall extruded polycarbonate sheet designed for superior light diffusion, thermal insulation, and ease of installation. These translucent or transparent sheets are ideal for roofing, cladding, and partitioning applications that demand aesthetic appeal with functional performance.

With UV protection, a 10-year warranty, and availability in clear, opal, and bronze as well as other colours, this product delivers both durability and design flexibility in construction, agriculture, and packaging.

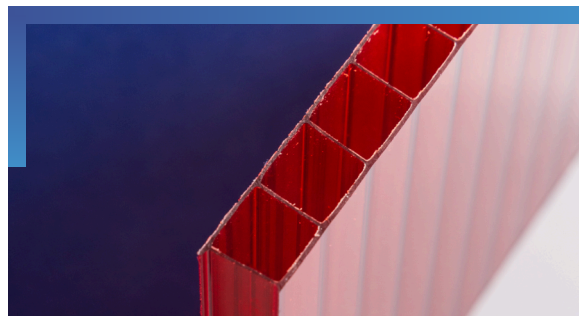
KEY ADVANTAGES

- High light transmission with a modern, clean look
- Lightweight construction enables easy handling and transport
- One or two-side UV protection for long-term outdoor durability
- Excellent bending radius for curved applications
- Energy-efficient U-values for thermal regulation
- 10-year limited warranty against discoloration and impact degradation



TYPICAL APPLICATIONS

- Roofing, cladding, and sidewalls in commercial and residential buildings
- Skylights, domes, conservatories, and pool covers
- Agricultural buildings, barns, and greenhouses
- Suspended ceilings, smoke vents, and transport terminals
- Packaging solutions such as protective boxes and pallet shield
- Illuminated signs and translucent advertising panels



AVAILABLE DIMENSIONS

- Available in 4, 6, 8 and 10mm
- Standard colours include clear, opal and bronze
- Available with one or two sided UV protection
- Custom colours available on request.
- Also available in Hammer Finish and Solar Control



The information contained within this datasheet is for guidance only.

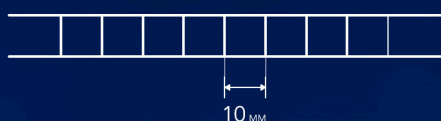
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PROPERTY				VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES						
Density				1,2	g/cm ³	ISO 1183
Refractive index (20°C)				1.586	-	ISO 489
Moisture Absorption (24h, 23°C, 50% RH)				0.15	%	ISO 62
MECHANICAL PROPERTIES						
Tensile Strength (Yield / Break)				63 / 70	N/mm ²	ISO 527
Elongation (Yield / Break)				6 / 110	%	ISO 527
Elastic Modulus				>2300	N/mm ²	ISO 527
Flexural Modulus				>2300	N/mm ²	ISO 178
Impact Strength (charpy unnotched, -40°C)				NB	kJ/m ²	ISO 179/1eU
Impact Strength (charpy notched, -30°C)				11	kJ/m ²	ISO 179/1eA
Izod Notched Impact (+23°C / -30°C)				65 / 10	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES						
Coefficient of Linear Thermal Expansion (20-70°C)				65x10 ⁻⁶	K ⁻¹	ISO 11359-2
Heat Deflection Temp (HDT A - 1.80 Nmm ²)				132	°C	ISO 75
Heat Deflection Temp (HDT B - 0.45 Nmm ²)				142	°C	ISO 75
Vicat Temperature VST/B 120				149	°C	ISO 306
Vicat Temperature VST/B 50				148	°C	ISO 306
Thermal Conductivity				0.20	W/m.K	ISO 8302

Thickness	Rib Distance	Mass/Unit Area	U-Value	Width				Standard Colours			UV Sides
				2100	1250	1200	980	Clear	Opal	Bronze	
4mm	6mm	800g/m ²	3,9W/m ² *K	✓	✓	✓	✓	✓	✓	✓	1
6mm	6/10mm	1200 / 1300g/m ²	3,5m ² *K	✓	✓	✓	✓	✓	✓	✓	1(2) / 1(2)
8mm	10mm	1500g/m ²	3,2m ² *K	✓	✓	✓	✓	✓	✓	✓	1(2) / 1(2)
10mm	10mm	1500 / 1700g/m ²	3m ² *K	✓	✓	✓	✓	✓	✓	✓	1(2) / 1(2)



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