

PRODUCT DATA SHEET (REV20250527)

### PC / POLYCARBONATE **CLEAR TRANSPARENT FLEXCOAT** SHEET

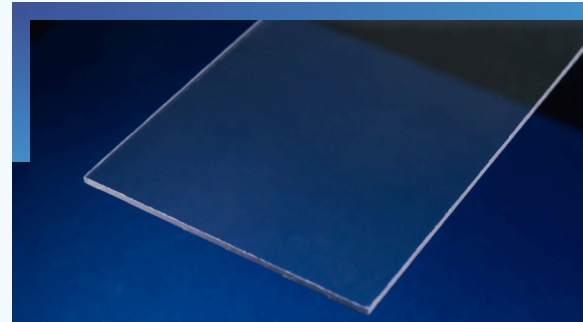
Flexible Hard-Coated Polycarbonate for Curved, Vandal-Resistant Applications.

SRT Plastics Polycarbonate Clear Transparent Flexcoat is a clear sheet with a flexible hard coating, specifically developed for cold-curved installations that demand durability, clarity, and abrasion resistance.

Combining the impact strength of standard polycarbonate with a coating that allows moderate bending, this product is ideal for architectural and safety-critical uses where form meets function. Whether used in public infrastructure or industrial protection, our flexcoat polycarbonates provides long-lasting performance without compromising design possibilities.

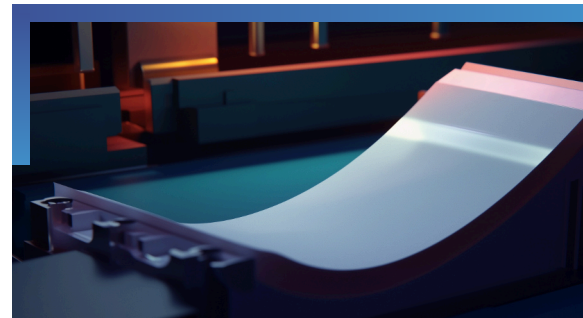
#### KEY ADVANTAGES

- Flexible hard coating allows cold bending into curved shapes
- Excellent resistance to scratches, impact, and chemicals
- More than 10× stronger than high-impact acrylic (PMMA)
- UV-stable for indoor and outdoor applications
- Lightweight and easy to process or thermoform
- Available with single or double-sided coating in multiple tints



#### TYPICAL APPLICATIONS

- Cold-curved architectural and industrial glazing
- Anti-vandal panels in public transport and stations
- Security glazing and acoustic barriers
- Machine guards and safety enclosures
- Transparent curved covers for kiosks or equipment
- Display elements with high durability and visual appeal



#### AVAILABLE DIMENSIONS

- Standard Sheet Sizes: 3000 x 2000 mm
- Thickness Range: 2 mm to 12 mm
- Coating on either one or both sides
- Colours: Colours and tints available on request
- Other sizes and thicknesses on request



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The data is not exhaustive. All figures quoted are nominal. Any applications should be checked with SRT Plastics prior to use.

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PROPERTY	VALUE	UNIT	STANDARD
<b>PHYSICAL PROPERTIES</b>			
Density	1,2	g/cm <sup>3</sup>	ISO 1183
Refractive index (20°C)	1.586	-	ISO 489
Moisture Absorption (24h, 23°C, 50% RH)	0.15	%	ISO 62
<b>MECHANICAL PROPERTIES</b>			
Tensile Strength (Yield / Break)	60 / 70	N/mm <sup>2</sup>	ISO 527
Elongation (Yield / Break)	6 / 110	%	ISO 527
Elastic Modulus	>2300	N/mm <sup>2</sup>	ISO 527
Flexural Modulus	>2300	N/mm <sup>2</sup>	ISO 178
Impact Strength (charpy unnotched, -40°C)	NB	kJ/m <sup>2</sup>	ISO 179
Impact Strength (charpy notched, -30°C)	11	kJ/m <sup>2</sup>	ISO 179
Izod Notched Impact (+23°C / -30°C)	65 / 10	kJ/m <sup>2</sup>	ISO 180
<b>THERMAL PROPERTIES</b>			
Linear Thermal Expansion (20°C - 70°C)	65x10 <sup>-6</sup>	K <sup>-1</sup>	ISO 11359-2
Thermal Conductivity	0.20	W/m-K	ISO 8302
<b>COATING PROPERTIES</b>			
Adhesion	GT-0		ISO 1044
Taber Abrasion* CS 10F, 500g, 100/500 cycles	4 / <12	% Haze	ASTM D 1044
*Taberhaze: Taber abrader, 500g load, CS 10F wheels, 100 cycles			

SHEET THICKNESS	BENDING RADIUS	UNIT	FORMING
2mm	350	mm	Cold Forming
3mm	525	mm	Cold Forming
4mm	700	mm	Cold Forming
5mm	875	mm	Cold Forming
6mm	1050	mm	Cold Forming
8mm	1400	mm	Cold Forming
10mm	1750	mm	Cold Forming
12mm	2100	mm	Cold Forming

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