

Spyro Plastics Ltd.

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Israel

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Delivery Program – Spylex™ Polycarbonate sheet

Spylex™ is the most versatile, high performance engineering thermoplastic sheet. Spylex™ combines excellent optical, mechanical and physical properties to offer the most advanced thermoplastic solution for a wide range of applications.

Advantages of Spylex™ Polycarbonate sheets:

- As clear as glass
- Robust – 250 times stronger than glass
- Lightweight – less than half the weight of glass
- Good thermal insulation
- UV protected on one or both sides
- Weather proof
- Excellent service temperature ranging up to 130°C
- Easily machined
- Can be thermoformed or cold formed
- Limited chemical resistance

Leading Applications:

Security glazing, Safety shielding, Sound barriers, Roofing, Skylights, bus shelters, Machine protectors, Lighting fixtures, Greenhouses, Signs.

Standard products

Spylex™ is deliverable in the thicknesses 2-8 mm, the standard dimensions are 2050mm x 3050mm, 1250mm x 2050mm. It is available in the following colors:

- Clear transparent
- Opal white with 30% light transmission
- Opal white with 50% light transmission
- Opal white with 70% light transmission
- Diffuser with 80% light transmission
- Transparent bronze color
- Transparent grey color

U.V. Protection:

Spylex™ can be delivered in several U.V. protection forms:

- One or both sides co-extruded U.V. absorption layers
- U.V. stabilized, when the raw material has already U.V. absorption capabilities
- Non U.V. protected

Tolerances:

Length and Width: -0 / + 3 ‰

Thicknesses for 2-8 mm: +/- 5%

Packing: sheets are covered both sides with PE protective film

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Special products

All products of the standard delivery program are also available in special colors, finishes and dimensions.

Special colors

Special color requests could be matched by sample or a the RAL-color number with light transmission value.

Minimum order: 3,000 kg

Special Finishes

Non reflex (Matte)

Embossed (Cracked ice)

Minimum order: 2,000 kg

Special Dimensions

Specific dimensions can be cut to sizes up to

Max length: 6000mm

Max thickness: 12 mm

Minimum order: 650 kg

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**Calculation table – Spylex™**

Thickness in mm	size in mm	m ² /sheet	kg/m ²	kg/sheet	kg/palette	sheets per palette
2	2050 x 1250	2.56	2.4	6.14	614.00	100
	2050 x 3050	6.25		15.00	1050.00	70
3	2050 x 1250	2.56	3.60	9.22	599.30	65
	2050 x 3050	6.25		22.50	1125.00	50
4	2050 x 1250	2.56	4.80	12.29	614.50	50
	2050 x 3050	6.25		30.00	1200.00	40
5	2050 x 1250	2.56	6.00	15.36	614.40	40
	2050 x 3050	6.25		37.50	1125.00	30
6	2050 x 1250	2.56	7.20	18.43	552.90	30
	2050 x 3050	6.25		45.00	1125.00	25
8	2050 x 1250	2.56	9.60	24.58	614.50	25
	2050 x 3050	6.25		60.00	1200.00	20
10	2050 x 1250	2.56	12.00	30.72	614.40	20
	2050 x 3050	6.25		75.00	1125.00	15
12	2050 x 1250	2.56	14.40	36.86	552.90	15
	2050 x 3050	6.25		90.00	900.00	10

All information, recommendation or advice in this document, is given to the best of Spyro Plastics knowledge. Spyro Plastics can not be held responsible for any loss incurred through incorrect use of the products. Spyro Plastics reserves the right to modify any specifications without prior notice.