



# QUINN<sup>™</sup>plastics

PRODUCT INFORMATION

QUINN<sup>™</sup> SPC



# QUINN SPC

**QUINN SPC is a range of extruded structured polycarbonate sheets produced by Quinn Plastics. QUINN SPC offers the clarity of glass but is stronger and more resistant to impact.**

**QUINN SPC is a light, strong, insulating and attractive sheet for use as roofing, cladding, glazing and other applications in construction, advertising, agriculture, industry and DIY. The sheets are easy to handle and install, virtually unbreakable and can resist extreme weather conditions.**

**Insulation against heat and cold is one of the most important properties.**

**QUINN SPC has a long working life and carries a 10 year warranty against yellowing.**

## PRODUCT IDENTIFICATION

QUINN SPC is the brand name for extruded multiwall polycarbonate sheets. The QUINN SPC programme offers solutions to both indoor and outdoor applications. It is a light weight sheet which is easy to transport, handle and install. QUINN SPC sheets offer excellent aesthetic and optical properties with a range of clear and translucent colours.

## CHARACTERISTICS

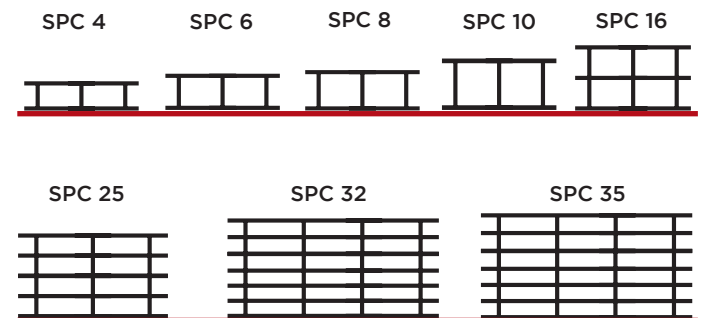
- High impact resistance
- Weather resistant
- High heat and sound insulation
- Long life span
- Excellent light transmission up to 88 % (10 mm)
- Large dimensions
- Excellent resistance to chemicals
- Transparent
- UV protection: co-extruded 1 side only
- Warranty: 10 Year Warranty Limited
- Excellent fire safety – BS476 Part 7 - Class 1Y
- Temperature resistant: between -40°C +130°C
- Resistant to hailstorms
- High resistance to mechanical loading
- Light-weight
- Easy to install using ordinary tools
- Superb thermal insulation - saves energy
- Computer checked colours and material properties
- BBA Certificate No 04/4135 (16, 25, 32 and 35 mm)

## APPLICATIONS

- Roofing and glazing
- Cladding
- Skylights
- Shelters
- Vaults
- Partitions
- Suspended ceilings
- Swimming pool enclosures
- Conservatories
- Boxes
- Protective covers for fragile items
- Advertising panels
- Winter gardens
- Pergolas



## PRODUCT RANGE



- A palette of colours are available in the following colours Clear, Bronze, Opal and dual colours Bronze-Opal, Silver-Opal.
- Standard widths: 1800 – 2100 mm
- Standard lengths: 7000 mm
- Available thicknesses: 4-6-8-10-16-25-32-35 mm
- Special thicknesses, colours and lengths can be produced to special order, subject to special conditions.

Please contact your local customer service centre for a complete product overview. For details see back of brochure.

# an alternative for glass in roofing applications

## PROPERTIES

Thickness (mm)	% Light Transmission (ASTM D1003)					Weight Kg/m <sup>2</sup>	U-Value Wm <sup>-2</sup> K <sup>-1</sup>
	Clear	Bronze	Opal	Bronze Opal	Silver Opal		
10mm - 2 wall	88%	37%	45%	-	-	1.7	2.9
16mm - 3 wall	72%	21%	18%	26%	-	2.7	2.7
25mm - 5 wall	62%	17%	14%	17%	7%	3.5	1.7
32mm - 7 wall	51%	11%	29%	18%	8%	3.6	1.4
35mm - 7wall	51%	11%	29%	18%	8%	3.8	1.3

## Solar Transmission (Standard ASTM E424-71)

Thickness (mm)	Clear	Bronze	Opal	Bronze Opal	Silver Opal
10mm - 2 wall	N/A	N/A	N/A	-	-
16mm - 3 wall	72	43.6%	39.7%	47.4%	N/A
25mm - 5 wall	62.5%	38.9%	33.8%	40%	24.9
32mm - 7 wall	55%	14%	35%	22%	8%
35mm - 7wall	55%	14%	35%	22%	8%

Legend:  
 To calculate the U-values of its multi-wall polycarbonate, QUINN PLASTICS has tested its products to a new more relevant standard BS EN 10211:1996.  
 Figures in *italics* are estimated values and are awaiting physical test results.  
 % Solar Transmission: the total amount of solar light transmitted through an object including solar energy that is absorbed and radiated inwards.

## INSTALLATION GUIDELINES

Fitting Polycarbonate:

- When used for roofing it is crucial that the roof has a minimum slope of 2.5°.
- When using glazing bars and covering trims, mechanical fixings are not required, though strongly recommend in areas with high wind speeds.

Pre-Installation Sealing:

- After cutting and cleaning the sheet, tape off the top of the panel with a non-vented tape and the bottom with a vented tape, to prevent contaminants and moisture entering the flutes.
- Usually a finishing trim in the style of a 'U' profile is used to cover the vented tape.
- To avoid loss of adhesion the tape must have good weathering resistance. To do this peel back the protective film 50mm to 75mm to allow access.
- Do not remove the protective tape before cutting or installation.



For further information:

Your customer service centre  
UK, Ireland  
T +44 (0) 1773 838 400  
F +44 (0) 1773 838 401

France, Italy, Greece & Cyprus  
T +33 (0) 385 - 73 68 00  
F +33 (0) 385 - 73 68 22

Germany, Switzerland, Austria  
T +49 (0) 6131 - 63 11 82  
F +49 (0) 6131 - 63 11 03

North Eastern Europe,  
Russia, Poland & Slovakia  
T +421 (0) 41 - 707 14 20  
F +421 (0) 41 - 764 68 79

South Eastern Europe,  
Czech Republic, Hungary, Bulgaria & Ex-Yugoslavia  
T +420 318 - 49 39 11  
F +420 318 - 63 56 35

Spain, Portugal  
T +34 (0) 93 - 575 19 90  
F +34 (0) 93 - 564 87 00

Benelux, Scandinavia  
and all other countries  
T +32 (0) 14 - 57 67 11  
F +32 (0) 14 - 58 11 27

#### HEAD OFFICE

Quinn Plastics  
Derrylin  
Co Fermanagh  
BT92 9AU  
N. Ireland  
T +44 (0) 28 6774 8866  
F +44 (0) 28 6774 8800  
[www.quinn-plastics.com](http://www.quinn-plastics.com)

Quinn Plastics offers a wide range of plastic sheets that give the widest choice to industry as far as gauge, size, pattern, colour, coating and opacity are concerned.



#### QUINN GROUP

Derrylin, County Fermanagh,  
Northern Ireland, BT92 9AU.

e: [info@quinn-group.com](mailto:info@quinn-group.com)  
w: [www.quinn-group.com](http://www.quinn-group.com)

