

POLYCASA® SPC IS A RANGE OF EXTRUDED MULTI-WALL POLYCARBONATE SHEETS PRODUCED BY POLYCASA. SPC OFFERS THE CLARITY OF GLASS BUT IS STRONGER AND MORE RESISTANT TO IMPACT.

Polycasa 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 are one of the most important properties.

Polycasa SPC diamond sheets can reduce heat build up by as much as 17° degrees. The special diamond structure gives greater strength and superior heat retention due to the insulating air space built into the product.

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

PRODUCT IDENTIFICATION

Polycasa SPC is the brand name for extruded multi-wall polycarbonate sheets. The Polycasa SPC programme offers solutions to both indoor and outdoor applications. It is a light weight sheet which is easy to transport, handle and install.

Polycasa 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
- High light transmission
- Large dimensions
- Excellent resistance to chemicals
- Transparent UV protected
- Excellent fire safety
- Temperature resistant: between -40°C and +130°C
- Resistant to hailstorms
- High resistance to mechanical loading
- Light-weight
- Easy to install using ordinary tools
- Superb thermal insulation - saves energy

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



APPLICATIONS

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

PRODUCT RANGE

SPC 4/2w	SPC 6/2w	SPC 8/2w	SPC 8/4w
SPC 10/2w	SPC 10/4w	SPC 16/3w	SPC 16/5w
SPC 16/7w	SPC 16 Diamond	SPC 20 Diamond	SPC 25 Diamond

- Available thicknesses: 4/2w - 6/2w - 8/2w - 8/4w - 10/2w - 10/4w - 16/3w - 16/5w - 16/7w - 16 D - 20 D - 25 D.
- Standard colours: Clear, Opal 3B, Bronze 1990, special colours upon request.
- Double sided UV protected sheets available upon request.
- Standard widths: 980 – 2100 mm.
- Standard lengths: 6000 and 7000 mm.
- Special thickness, colours and lengths can be produced to special order, subject to special conditions and structures.

POLYCASA® SPC IS AN ALTERNATIVE FOR GLASS IN ROOFING APPLICATIONS

INSTALLATION

Polycasa SPC sheets should be stored or covered under a sheet or indoors, placed on a pallet. Do not store sheets without sealing the open ends to prevent dust and moisture from entering. The roof supporting structure (1) or frame can be made from wood, aluminium or steel. Sheets should be installed in the direction of the slope, to reduce the accumulation of dirt inside the sheet and ease gravity drainage of condensation moisture.

The rafters (2) should be placed with a distance of max. 1000 mm apart in the direction of the slope. Sheets should be installed with the adjoining edges connected by a glazing profile suited to the glazing system.

As **Polycasa SPC** sheets (3) are 980 mm wide, a 20 mm joint gap (4) will allow the dimensional expansion of the sheets that may arise after changes in temperature. Cut **Polycasa SPC** with a jigsaw or a cutting knife. Remove the polyethylene protective film immediately after installation to avoid irreversible damage.

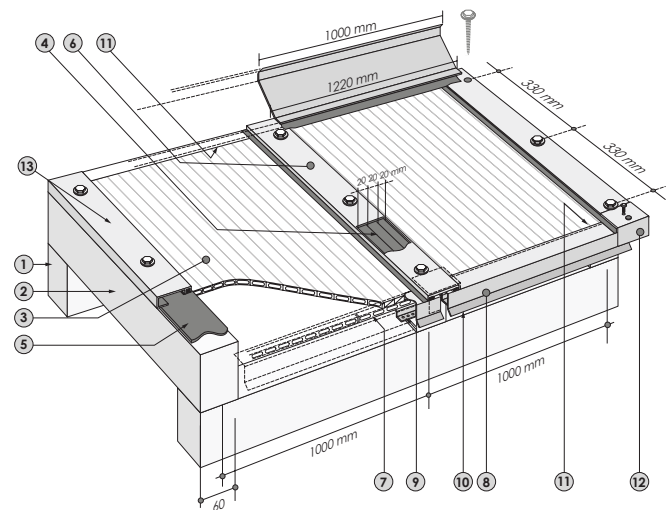
Prior to placing the sheets on the supporting rafters a rubber or protective gasket (5) should be fitted to avoid damage of the sheet surface. The sheets will be mounted by a connecting profile (6) with two seals. Seal the open ends before installation with compatible impermeable anti-dust and anti-dust venting tapes.

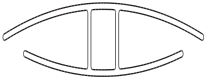

ACCESSORIES

Polycasa also offers a range of polycarbonate profiles for correct handling of **Polycasa SPC** sheets. The same installation guidelines as described above are applicable when other accessories are used.

(7) The upper front edge should be sealed with a solid tape and the lower front edge with a perforated tape. This is to prevent infiltration of dirt and bugs and to allow condensation drainage.

Place an aluminium profile (8) with water anti-drop side (9) on the front side of the sheet. Seal this profile with silicone sealant (10). Use only compatible silicones and gaskets. Place an end cap (11) on the corners of profiles; this prevents the sheet from gliding.



Profiles	Description	Dimensions
Polycarbonate profiles product range 2015		
	H jointing profile for 10 mm SPC sheet	100 x 2100
	U closing profile for 10 mm SPC sheet	100 x 2100