



REV 2 / 2021 ENG | moschini advcom

SEPLUX
PANNELLI IN
POLICARBONATO
POLYCARBONATE PANELS
www.sepitalia.com

THE COMPANY

Since almost 40 years SEP – Società Europea Plastica Srl – serves designers and constructors: its mission is to work plastic in Volano in the province of Trento since 1972.

The choice of such a name reveals a vision for a modern, innovative and goal orientated company. The key principles underlying the strategic programming put into practice by Tiziana and Simonetta Carella since 2002 have enabled the company to achieve significant targets in Italy as well as in the export market.

Leader in the thermoplastic market with its PVC Luxpan modular panels, in 1991 SEP began to design and manufacture a new range of innovative products, the Seplux high quality 100% polycarbonate multi-wall panels of varying thicknesses.

The patented joint and excellent technical characteristics make these panels the perfect solution for industrial buildings, particularly, given the infinite array of applications, for transparent architectural projects.

SEP has a flexible and dynamic company structure. The continuous technological research in manufacturing innovative and market oriented products together with the efficiency in the logistics organization, has driven the company into leadership on the domestic market and made it a growing presence internationally.

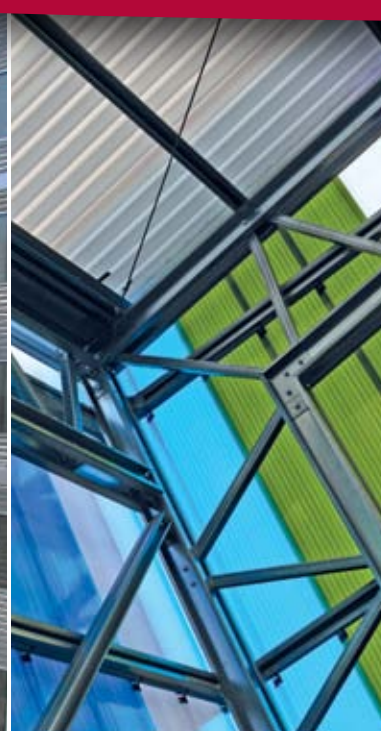


EXTENSION OF THE SHED SEP:
PROJECT COLOR



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FEATURES OF THE MATERIAL:
100% PURITY



IS POLYCARBONATE RESISTENT?

Of course. The 100% PC Seplux panels have passed all the tests and got all the certificates.

DOES POLYCARBONATE GIVE GOOD INSULATION?

Of course. The 100% PC Seplux panels guarantee an excellent heat transmittance which is certificated.

DOES POLYCARBONATE LET THROUGH THE LIGHT?

Of course. The 100% PC Seplux panels let through up to 78% of the external light, creating a brightness never seen before.

CAN I DESIGN PROJECTS WITH POLYCARBONATE?

Of course. The 100% PC Seplux panels give an infinite array of applications with no limits to fantasy and dimension.

IS POLYCARBONATE DURABLE?

Of course. The 100% PC Seplux panels are UV-protected on one side and are GUARANTEED 10 YEARS against ageing.

For further information www.sepitalia.com
Or contact us: 0039 0464 410655. We remove all your doubts!

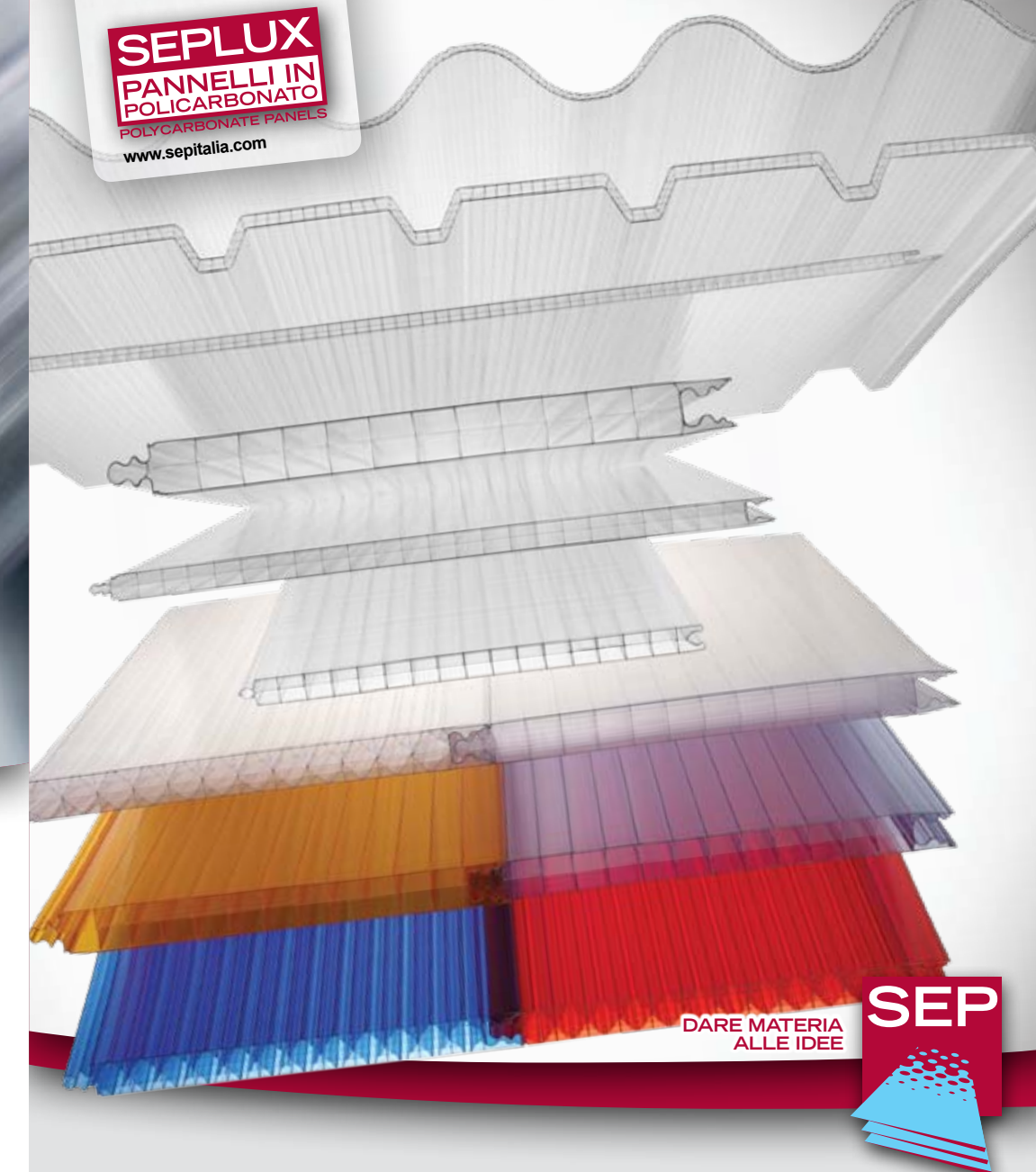
STANDARD COLOURS

	TRANSPARENT
	SMOKE
	OPALE
	LIGHT BLUE
	GREEN

SOME EXAMPLES OF PERSONALIZED COLOURS ON REQUEST:

On request SEP can develop an endless range of colours.

	ORANGE
	RED
	YELLOW
	BLUE



DARE MATERIA
ALLE IDEE



**BORN TO LAST
MADE TO CREATE**
PANELS IN 100% POLYCARBONATE



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Modular multiwall panel with a tongue-and groove-joint in co-extruded polycarbonate (UV-protected on one side) - GUARANTEED 10 YEARS against ageing. The patented male-female interlock joint ensures perfect watertightness without needing any sealant.

The combined use of Seplux 40 panel together with their special stainless steel hooks ensures suitability to both traditional and bespoke designs in various sizes and architectural styles, without the need to modify or alter the panels avoiding any drilling, cutting or sealing that would compromise their technical characteristics.

Modular multiwall panel with a tongue-and groove-joint in co-extruded polycarbonate (UV-protected on one side) - GUARANTEED 10 YEARS against ageing.

Thanks to the simplicity of the joint and their coplanarity, the panels can be used in wallings, sheds, strip windows.

Modular multiwall panel with a tongue-and groove-joint in co-extruded polycarbonate (UV-protected on one side) - GUARANTEED 10 YEARS against ageing. The high resistance performance, ease of installation, the particular tongue-and-groove joint structure, the perfectly coplanar panels and their

Modular multiwall panel with a tongue-and groove-joint in co-extruded polycarbonate. The high resistance performance, ease of installation, the particular tongue-and-groove joint structure, the perfectly coplanar panels and their assembly without the need for accessories, make this the ideal product for

Co-extruded multi wall polycarbonate sheet (UV protected on one side) - GUARANTEED 10 YEARS against ageing. This sheet is reinforced on the outer face and consequently has a greater resistance against impacts and hail. The structure of the internal face offers remarkable acoustic and optical

Sheet of polycarbonate corrugated walls 4. Ideal for the construction of flat or curved skylights, also in combination with sandwich panels.

Corrugated sheet in multiwall double-chamber polycarbonate. Ideal for curved or flat skylights, can also be used with sandwich panels.

Corrugated sheet in multiwall double chamber polycarbonate. Ideal for curved or flat skylights.



The Seplux 40 3P panel with its excellent application quality is ideal for the realization of any industrial or private constructions.



TECHNICAL DATA SEPLUX 40 3P

- **Panel Section** : 40 mm triple-wall
- **Width**: 435 mm
- **Length**: maximum transportable
- **Light Transmission**: 76% transparent - 38% opal - 29% smoke
- **Thermal Insulation**: $U = 1,84 \text{ W/(m}^2 \text{ K)}$ considerably better than double glazing type $4/12/4 \text{ K} = 2,6 \text{ (Kcal/h m}^2 \text{ }^\circ\text{C)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 8000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)



Its 5-wall composition reinforced with X- intersections makes it more resistant and capable of bearing heavy loads.



TECHNICAL DATA SEPLUX 40 5PX

- **Panel Section** : 40 mm 5-wall
- **Width**: 435 mm
- **Length**: maximum transportable
- **Light Transmission**: 54,4% transparent
- **Thermal Insulation**: $U = 1,20 \text{ W/(m}^2 \text{ K)}$ considerably better than double glazing type $4/12/4 \text{ K} = 2,6 \text{ (Kcal/h m}^2 \text{ }^\circ\text{C)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 8000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Load Resistance**: kg. 120 (concentrate load)
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)

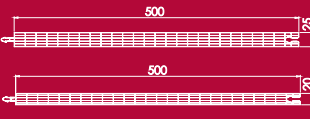


The 9-wall Seplux 40 9P panel is very resistant and versatile and therefore ideal for any project.



TECHNICAL DATA SEPLUX 40 9P

- **Panel Section** : 40 mm 9-wall
- **Width**: 435 mm
- **Length**: maximum transportable
- **Light Transmission**: 47,5%
- **Thermal Insulation**: $U = 1,0 \text{ W/(m}^2 \text{ K)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 8000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Load Resistance**: kg. 120 (concentrate load)
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)



TECHNICAL DATA SEPLUX 20 PLUS 6P SEPLUX 25 PLUS 6P

Panel section	20 mm	25 mm
Width	500	500
Length	on request	
Light transmission	58%	55%
Service Temperature	-40°C + 120°C	
Linear expansion	0,065 mm/m°C	
Fire Resistance	B-s1,d0	
Thermal trasmitance "Ug" [W/(m2 • K)]		
	1.6	1.4w



TECHNICAL DATA SEPLUX 20 PLUS

- **Panel Section** : 20 mm triple-wall
- **Width**: 500 mm
- **Length**: maximum transportable
- **Light Transmission**: 78%
- **Thermal Insulation**: $U = 2,2 \text{ W/(m}^2 \text{ K)}$ considerably better than double glazing type $4/12/4 \text{ K} = 2,6 \text{ (Kcal/h m}^2 \text{ }^\circ\text{C)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 4000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)



TECHNICAL DATA SEPLUX 20 LIGHT

- **Panel Section** : 20 mm triple-wall
- **Width**: 333,3 mm
- **Length**: maximum transportable
- **Light Transmission**: 78%
- **Thermal Insulation**: $U = 2,20 \text{ W/(m}^2 \text{ K)}$ considerably better than double glazing type $4/12/4 \text{ K} = 2,6 \text{ (Kcal/h m}^2 \text{ }^\circ\text{C)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 4000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)



assembly without the need for accessories, make this the ideal product for interior false ceilings (canopies), minisheds and small roofs.



TECHNICAL DATA SEPLUX 10 and 10 LIGHT

- **Panel Section** : 10 mm triple-wall
- **Width**: 750 mm
- **Length**: maximum transportable
- **Light Transmission**: 79%
- **Thermal Insulation**: $U = 2,70 \text{ W/(m}^2 \text{ K)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 2000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)
- **Heat welding of cells**: on request



interior false ceilings (canopies), minisheds and small roofs.



TECHNICAL DATA SEPLUX 16

- **Panel Section** : 16 mm triple-wall
- **Width**: 333,3 mm
- **Length**: maximum transportable
- **Light Transmission**: 78%
- **Thermal Insulation**: $U = 2,29 \text{ W/(m}^2 \text{ K)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 3200 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)

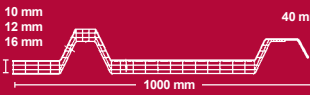


characteristics. Ideal for bent and flat roofs. Thanks to its structure, the Seplux F10 sheet is also suited for use in vertical structures.



TECHNICAL DATA SEPLUX F10

- **Panel Section** : 10 mm triple-wall
- **Width**: 1250 mm
- **Length**: maximum transportable
- **Light Transmission**: 78%
- **Thermal Insulation**: $U = 3 \text{ W/(m}^2 \text{ K)}$
- **Minimum Bending Radius**: 200 times its thickness ($r = 2000 \text{ mm}$)
- **Linear Expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service Temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Noise reduction**: (as to ISO 140/1995 and ISO 717/1996 standards) $R_w = 23 \text{ dB}$
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)



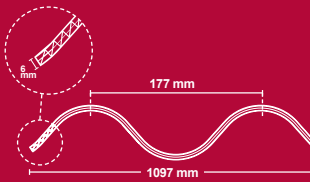
TECHNICAL DATA SEPLUX GRECA 5G

Panel Section	10 mm	12 mm	16 mm
Greek height	50	52	56
Number walls	4		
Pass	~ 250		
Width plate	1000 ± 5		
Thermal trasmittance (v. l.) W/m²	Ug = 2,57	Ug = 2,35	Ug = 2,05
Transparent light transmission	68%		
Service Temperature	-40°+120°		
Linear expansion	0,065 mm/m°C		
Fire Resistance	B s1 d0		
Lenght	a misura richiesta		
Bending radius	3,3 m o 6,0 m		
Available colours	trasparent		
	opal		
	smoke		
	blue		
Heat welding of cells	green		
	other colours on request		



TECHNICAL DATA SEPLUX GRECA 7G

- **Panel section**: 10 mm triple-wall corrugation 40mm
- **Width**: 1000 mm 7 greche
- **Length**: maximum transportable
- **Light transmission**: 73%
- **Thermal Insulation**: $U = 2,70 \text{ W/(m}^2 \text{ K)}$
- **Linear expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)
- **Bent**: R 3,3 or R 6,0
- **Heat welding of cells**: on request



TECHNICAL DATA SEPLUX ONDA 177/51

- **Panel section**: 6 mm triple-wall N-shaped
- **Panel width**: 1097 mm
- **Working width**: 1050 mm
- **Length**: maximum transportable
- **Wave height**: 51mm
- **Light transmission**: 78%
- **Thermal Insulation**: $U = 3,3 \text{ W/(m}^2 \text{ K)}$
- **Minimum bending radius**: 200 times its thickness ($r = 1200 \text{ mm}$)
- **Linear expansion**: $0,065 \text{ mm/m } ^\circ\text{C}$
- **Service temperature**: $-40^\circ + 120^\circ \text{ }^\circ\text{C}$
- **Fire Resistance**: European standard: B-s1,d0
- **Available colours**: transparent - opal - smoke - blue - green (other colours on request)
- **Heat welding of cells**: on request

