

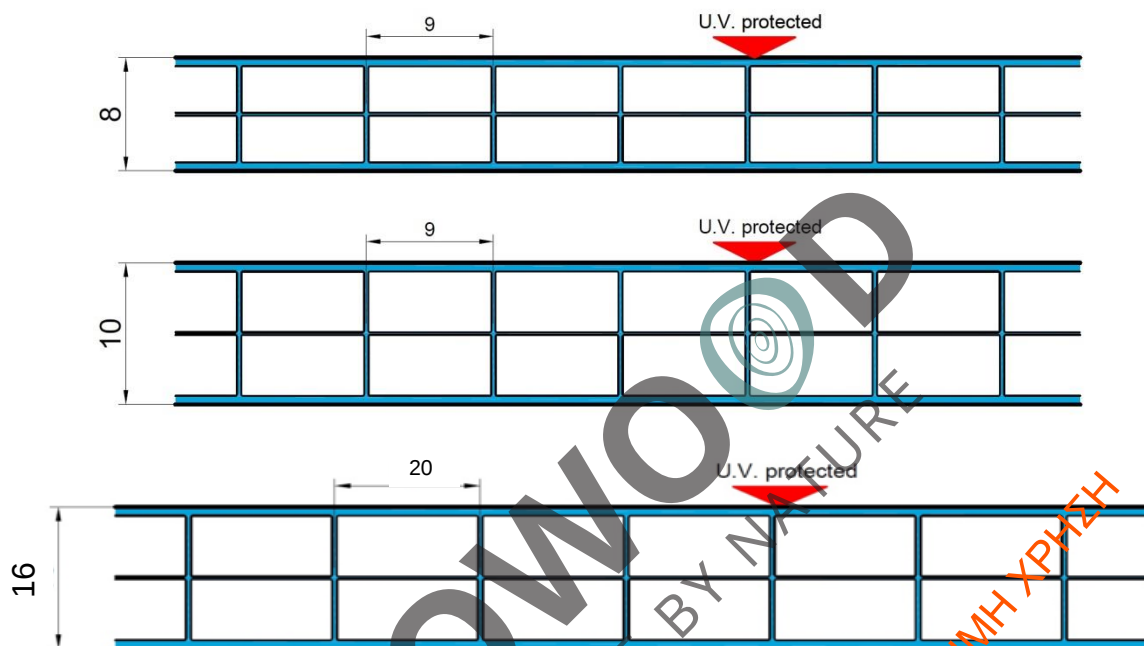
TECHNICAL DATA SHEET no.CARBO14 – Oct. 2020 (Rev.0)

Product: Carbopiù 3 Walls

PRODUCT:

CARBOPIU 3 Walls 8 – 10 – 16 mm

CROSS SECTION:



SPECIFICATIONS:

FLAT SHEET IN EXTRUDED MULTIWALL POLYCARBONATE, ~2100mm WIDE and 8-10-16mm THICK, with 3 WALLS STRUCTURE. SHEETS ARE SUPPLIED TO THE EXACT LENGTH REQUESTED (STANDARD LENGTH IS 6,0m), WITH EDGES EITHER THERMOSEALED OR SEALED WITH AN ALUMINIUM FOIL TAPE; FIRE RATING: EUROCLASS B s1 d0.

- USE:** REALIZATION OF **PITCHED ROOFING, CURVED CANOPY, VERTICAL GLAZING AND NORTHLIGHT.** FOR CURVED CANOPY APPLICATION, THE SHEET IS COLD CURVED ON SITE ACCORDING TO THE MINIMUM CURVATURE RADIUS SHOWN IN THIS DATA SHEET.
- ACCESSORIES:** THE SYSTEM IS COMPLETED BY ACCESSORIES. (FOR MORE DETAILS ON THE ACCESSORIES PLEASE CONTACT THE MANUFACTURER).

LOADING TABLE (Flat Application):

TRIPLE WALL SHEET 8 mm

Snow load in daN/m ²	50	75	100	125	Width in mm
Height in mtr	3,0	2,1	1,7	1,5	1050
	2,1	1,8	1,5	1,2	2100

TRIPLE WALL SHEET 10 mm

Snow load in daN/m ²	50	75	100	125	Width in mm
Height in mtr	3,0	2,1	1,7	1,2	1050
	2,1	1,8	1,6	1,2	2100

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TRIPLE WALL SHEET 16 mm

Snow load in daN/m ²	50	75	100	125	Width in mm
Height in mtr	3,3	2,2	1,8	1,3	1050
	2,3	1,9	1,7	1,3	2100

NOTE: ABOVE FIGURES ARE REFERRED TO SHEET FIXED ON 4 SIDES

TECHNICAL CHARACTERISTICS:

DATA	UNIT	8mm	10mm	16 mm
Thickness	mm	8	10	16
Sheet width	mm	2100 ± 5		
Sheet length	m	Standard 6,0m – length to size upon request (max. recommended length is 7m)		
Minimum curvature radius for cold curving	(R) mm	750	1000	1500
Colour	-	Clear – Opal – Bronze		
Sealing of sheet edges	-	Thermosealed or Sealed with aluminium foil tape		
Inner construction	-	3 Walls		
UV protection	-	On outer layer		
Fire rating	-	B s1 d0		
Temperature working range	°C	-40° / + 130°		
Linear thermal expansion	mm/mm°C	6,7 x10 ⁻⁵		
Resistance against chemicals use and maintenance	-	See our literature for specifications		
Thermal insulation	W/m ² K	U=3,00	U= 2,70	U=2,30
Light transmission	%	CLEAR 75±2	74±2	72±2
		OPAL 54±2	52±2	52±2
		BRONZE 65±2	65±2	40±2
Solar factor	%	CLEAR 80±2	75±2	72±2
		OPAL 64±2	62±2	62±2
		BRONZE 75±2	72±2	70±2
Shading coefficient	%	CLEAR 0,92±0,02	0,86±0,02	0,82±0,02
		OPAL 0,74±0,02	0,71±0,02	0,65±0,02
		BRONZE 0,86±0,02	0,83±0,02	0,80±0,02
Warranty	10 years – See our Warranty for terms & conditions			

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