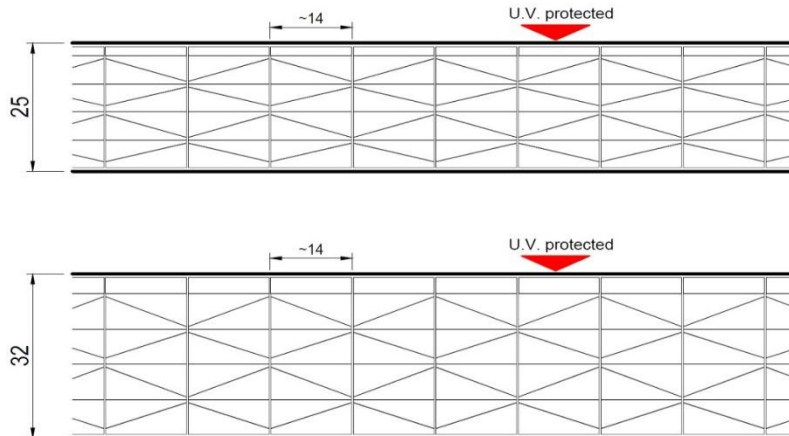


TECHNICAL DATA SHEET no.CARBO09 – Jan. 2020 (Rev.1) Product: Carbopiù X structure 10 walls

PRODUCT:

**CARBOPIU' DOUBLE X STRUCTURE 25-32 mm thick
10 WALLS**

CROSS SECTION:



SPECIFICATIONS:

FLAT SHEET IN EXTRUDED MULTIWALL POLYCARBONATE, ~2100mm WIDE and 25 – 32 mm thick, with 10 walls DOUBLE X STRUCTURE. THE 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 s2 d0.

- **USE** :REALIZATION OF **PITCHED ROOFING, VERTICAL GLAZING AND NORTHLIGHT.**
- **ACCESSORIES:** THE SYSTEM IS COMPLETED BY ACCESSORIES (FOR MORE DETAILS ON THE ACCESSORIES PLEASE CONTACT THE MANUFACTURER).

LOADING TABLE (Flat Application):

25mm THICK CARBOPIU' SHEET – FLAT APPLICATION

| CARBOPIU' 25 mm | Max Load Uniformly distributed daN/m ² | | | | | |
|--------------------------------------|---|------|------|------|------|------|
| | 50 | 75 | 100 | 150 | 200 | 300 |
| SHEET WIDTH 1000 mm | | | | | | |
| Sheet Height m (Purlins Distance) | ∞ | ∞ | 4,50 | 3,30 | 2,60 | 2,00 |
| SHEET WIDTH 1200 mm | | | | | | |
| Sheet Height m (Purlins Distance) | ∞ | 4,50 | 3,80 | 3,00 | 2,50 | 1,80 |

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

32mm THICK CARBOPIU' SHEET – FLAT APPLICATION

| CARBOPIU' 32 mm | Max Load Uniformly distributed daN/m ² | | | | | |
|--------------------------------------|---|------|------|------|------|------|
| | 50 | 75 | 100 | 150 | 200 | 300 |
| SHEET WIDTH 1000 mm | | | | | | |
| Sheet Height m (Purlins Distance) | ∞ | ∞ | 4,90 | 3,60 | 2,80 | 2,15 |
| SHEET WIDTH 1200 mm | | | | | | |
| Sheet Height m (Purlins Distance) | ∞ | 4,90 | 4,10 | 3,30 | 2,70 | 1,90 |

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

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TECHNICAL CHARACTERISTICS:

| DATA | | Unit | 25 mm | 32 mm |
|---|--|--------------------|---------------------------------------|--|
| Thickness | | mm | 25 | 32 |
| Sheet width | | mm | 2100 ± 5 | |
| Sheet length | | m | Standard 6,0 m | |
| Minimum cold curvin radius | | (R) m | 6,25 | Non curvable |
| Weight | | Kg/m ² | --- | |
| Colour | | | <u>Clear - Opal</u> | |
| Sealing of sheet edges | | | Aluminium foil tape | |
| Inner construction | | | Double X structure 10 walls | |
| U.V. protection | | | Protected on outer layer | |
| Fire rating | | | B s2 d0 | |
| Temperature working range | | °C | -40° / + 120° | |
| Linear thermal expansion | | mm/mm°C | 6,7 x 10 ⁻⁵ (0,065 mm/m°C) | |
| Resistance against chemicals use & maintainance | | | See our literature for specifications | |
| Sound insulation (estimated) | | dB | 23 | 23 |
| Thermal insulation | | W/m ² K | U= 1,30 | U= 1,10 |
| Light transmission | | % | CLEAR 47±2 | 38±2 |
| | | | OPAL 17±2 | 10±2 |
| Solar factor | | % | CLEAR 51±2 | 51±2 |
| | | | OPAL 43±2 | 38±2 |
| Shading coefficient | | CLEAR OPAL | 0,60±0,02 0,46±0,02 | 0,59±0,02 0,44±0,02 |
| Warranty | | | | 10 years – See our warranty for terms and conditions |

Responsibility clause: all technical information and recommendations are given in good faith and according our best knowledge. Nevertheless, not having any control over the end use of its materials, PolyPiù S.r.l. declines any responsibility for their application. The recommendations given do not relief the Buyer to perform its own controls to determine the suitability of the materials to its own needs and to the regulations in force. PolyPiù S.r.l. reserves the right to amend products and specifications without prior notice.