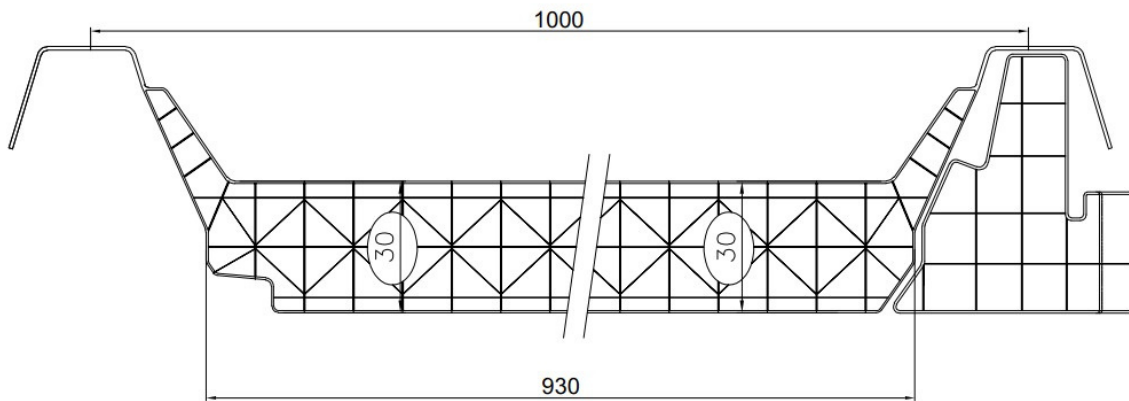**Technical Specification:** ArcoPlus Angelo 1307X 30mm, 7-Walled Polycarbonate Roofing Cladding Material

General Description of the Roof Cladding Material:

The cladding material is made from polycarbonate and is available in either clear or opal color. It has a thickness of 30mm and features a seven-walled structure with a cross-sectional design. The top surface of the material is co-extruded with UV protection. Custom lengths are available to suit specific project requirements. Both ends of the cladding material are sealed with aluminum tape to prevent dust and dirt ingress. The flange height on both sides is approximately 80mm. The double-walled structure of the edges provides additional strength and rigidity. The cladding material is designed for use between sandwich panels. *Optional polycarbonate support profiles of the same length as the cladding material can be priced and manufactured upon request.*

Technical Specifications:

Panel Width: 1000mm ± 15mm (center to center of left and right edge flanges)

Panel Length: Custom sizes available, manufactured to desired specifications

Wall Count / Structure: 7 Walls / X Structure

Corrugation Height: 80mm

Thermal Conductivity (K): 1.74 W/m2K

Light Transmission (LT %):

Clear: 58% (visible light transmission)

Opal: 32% (visible light transmission)

Operating Temperature: -40 ºC to +120 ºC

Expansion / Contraction: 0.065 mm/m ºC

Fire Resistance: Complies with EN 13501 Euro Class B - s1, d0

Acoustic Insulation: 20 dB

Co-extruded U.V. Protection: Yes