

Technical file

Cintralux® GRP- barrel vault sheets 1200 Joule Longlife

General product description:

The Cintralux® GRP-barrel vault sheets are made of longitudinal profiled and fixed centred sheets. The sheets are composed of U.V. stabilised polyester resins with glass fibre reinforcement. The outer shells have a standard surface finish consisting of a highly UV resistant MELINEX® LONGLIFE-film. The addition of methylmethacrylate provides a better light transmission. The 1200 Joule execution has an additional glass fibre reinforcement, made of longitudinal glass fibres with an increased glass proportion. The sheets are mounted with the "Z" assembly on the curbs. The opaque end - panels are made of the same basis materials and they have equal characteristics as the sheets. The thermal performances of the double walled panel sheets are improved through the incorporated PUR-insulation.

Specific characteristics:

Mechanical characteristics	Self-supporting to 4 m width and unlimited in length according to the applied snow and wind charges. Hail resistance. Internal body impact reinforcement SB1200 (1200 Joule: an object of 80 kg falling from a height of 1,50 m)
Chemical characteristics	Very high resistance against chemical influences and weather conditions.
Thermal characteristics	Value U SW 5,74 W/m ² K Value U DW 3,13 W/m ² K Value U 3W 2,16 W/m ² K
Dimensions	Outer sheet thickness: 1.30 mm (± 0.14) Inner sheet thickness: 1,00 mm (+0.14 -0.10) Bending radius: 3150 mm
Density	1665 kg/m ³
Acoustic characteristics	R'w DW 22 R'w 3W 24

Attestations and certificates:

- Fire attestation M4
- 1200 Joule certificate C.E.B.T.P. 2322.8.074 + report P903994-01 according to EN14963 (50kg / 0,9m)
- a 20-year guarantee on hail resistance