



PLEXISUN
ROOF PANELS
SPECIFICATIONS

PANEL DIMENSIONS....W1025mm x D100mm x L2000 up to 6000mm

WEIGHT(approx per m²).....Empty 20kg/Full....21kg

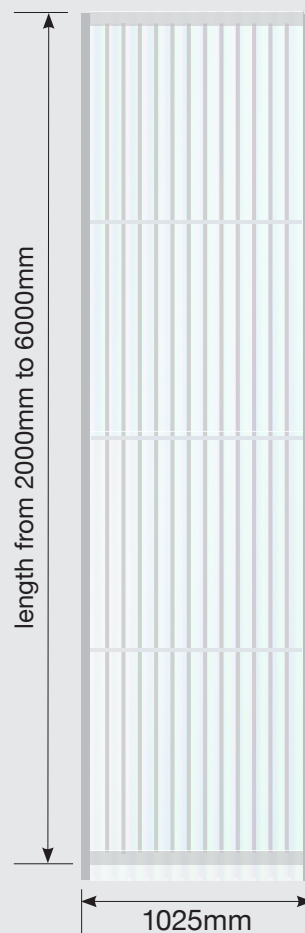
PANEL INSTALLED COVERAGE(WIDTH).....1025mm

PANEL JOIN.....2 x tongue & groove, compression sealed

FLASHING...Longrun C-channel aluminium extrusion, EPDM seals

PANEL FLUID CONNECTIONS.....Brass V-Press unions M/F swivel

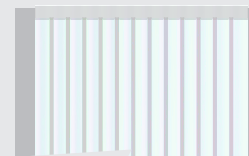
MOUNTING SYSTEM.....2x5mm aluminium plates



End panels are 27.5mm wider than standard panels, with the water feeds in and out internally contained inside the end rafters.



Right hand end panel
1052.5mm



Left hand end panel

Patent pending mounting system allows time saving installation of panels assembled off-site, tension tongue & groove design clamps panels together for seamless weather tightness.



PART	MATERIAL	DETAILS
FRAME	Aluminium 3063 alloy extrusions	Tempered T6, 2mm wall
INTERNAL PANEL RAFTERS	12mm HDPE marine grade plate	Colour specifiable, metric or imperial blind tapped threads.
SOLAR FLUID HEATING FILAMENT	Copper or stainless steel pipe black coated, M-Press 15mm brass M/F connection unions.	Copper or stainless steel pipe, silicon/rubber high temperature O-Rings, Watermark certification and ISO9001 manufacturer.
HEATING FILAMENT BUSHES	Nylon.	High UV & temperature resitant, onsite TUV Rheinland approved manufacturer.
TOP WEATHER FACING SHEETING	3mm thick clear corrugated PMMA. (Polycarbonate or glass and colour options to specification).	Top weather facing surface specifiable for hurricane zones, snow loading etc.
BOTTOM CORRUGATED SHEETING	3mm thick corrugated opaque PMMA, white translucent, Infrared reflection coating.	Infrared (IR) light reflecting impact- modified acrylic polymethylmethacrylate (PMMA), 100% recyclable.
RAFTER CAPS & MAINTENANCE PORT	Injection molded UV stabilised polypropylene	M3 female thread brass inserts.
MOUNTING BRACKETS	5mm aluminium 3063 alloy or marine grade.	Cast, bright dip, painted, or powdercoated finish.
ASSEMBLY FITTINGS	Stainless steel bolts, aluminium pop rivets, aluminium cyclone plates, nylon washers.	316 stainless steel, 3063 aluminium, EPDM rubber washers, nylon and stainless steel washers.