

IMPACT TEST 16mm

TESTING AUTHORITY	ENGTEST
TEST	AS 1562.3:2006
TEST NUMBER	C140408
DATE	April 2014

SHEETING DETAIL

Danpalon DP16 Multicell polycarbonate, 16mm thick, 1040mm wide.

FRAME DETAIL

Purlin Spacings	4200mm (50mm bar) 4200mm (60mm connector) 2000mm (54mm connector) 1500mm (polycarbonate connector)
Maximum Overhang	50mm
Fixing	Pivot End Cap and Lower Pivot

RESULT

**DANPALON DP16 MEETS THE REQUIREMENTS OF THIS TEST
THUS ELIMINATING THE NEED FOR SAFETY MESH**

IMPACT TEST 12mm

TESTING AUTHORITY	UNIVERSITY OF ADELAIDE
TEST	AS 1562.3:2006
TEST NUMBER	C120707
DATE	September 2012

SHEETING DETAIL

Danpalon DP12 Multicell polycarbonate, 12mm thick, 900mm wide.

FASTENING TO PURLINS

Purlin Spacing	1100mm
Maximum Overhang	50mm
Fixing	Stainless Steel Knee Fasteners at every purlin

FASTENING TO RAFTERS ONLY

Sheet Length	Up to 12 metres
Transverse Support	Not required
Maximum Overhang	50mm

RESULT

**DANPALON DP12 MEETS THE REQUIREMENTS OF THIS TEST
THUS ELIMINATING THE NEED FOR SAFETY MESH**

IMPACT TEST 10mm

TESTING AUTHORITY	ENGTEST
TEST	AS 1562.3:1996
TEST NUMBERS	C971001 / C971201
DATES	Nov/Dec 1997

SHEETING DETAIL

Danpalon DP10 polycarbonate, 10mm thick, 600mm wide.

FASTENING TO PURLINS

Purlin Spacing	
-Sloped Application	1000mm / 1200mm / 1000mm
-Curved Application	1000mm / 1500mm / 1000mm
Minimum Overhang	50mm
Fixing	Stainless Steel Knee Fasteners at every purlin

FASTENING TO RAFTERS ONLY

Sheet Length	Up to 12 metres
Transverse Support	Fascia board at each end only
Minimum Overhang	50mm

Fixing

1. Stainless steel knee fastener onto fascia board, another 100mm away and then 1000mm centres.
2. Edge sheet to be fixed to outside rafter with 12g x 50mm screws and 25mm washers. Spacing as per knee fasteners. Screw holes must be oversized to facilitate expansion. Screws are then covered with metal barge flashing.

RESULT

**DANPALON DP10 MEETS THE REQUIREMENTS OF THIS TEST
THUS ELIMINATING THE NEED FOR SAFETY MESH**

IMPACT TEST 8mm

TESTING AUTHORITY	ENGTEST
TEST	AS 1562.3:1996
TEST NUMBERS	C971001 / C971201
DATES	Nov/Dec 1997

SHEETING DETAIL

Danpalon DP8 polycarbonate, 8mm thick, 600mm wide.

FASTENING TO PURLINS

Purlin Spacing	
-Sloped Application	600mm / 800mm / 600mm
-Curved Application	1000mm / 1200mm / 1000mm
Minimum Overhang	50mm
Fixing	Stainless steel knee fasteners at every purlin

FASTENING TO RAFTERS ONLY

Sheet Length	Up to 12 metres
Transverse Support	Fascia board at each end only
Minimum Overhang	50mm

Fixing

1. Stainless steel knee fastener onto fascia board, another 100mm away and then 600mm centres.
2. Aluminium end sealing strip secured with three 'Chicago' bolts per pan on both ends of sheet.
3. Edge sheet to be fixed to outside rafter with 12g x 50mm screws and 25mm washers. Spacing as per knee fasteners- Screw holes must be oversize to facilitate expansion. Screws are then covered with metal barge flashing

RESULT

**DANPALON DP8 MEETS THE REQUIREMENTS OF THIS TEST
THUS ELIMINATING THE NEED FOR SAFETY MESH**

IMPACT TEST 4mm

TESTING AUTHORITY	ENGTEST
TEST	AS 1562.3:1996
TEST NUMBERS	C971001 / C971201
DATES	Nov/Dec 1997

SHEETING DETAIL

Danpalon DP4 Solid polycarbonate, 4mm thick, 600mm wide.

FASTENING TO PURLINS

Purlin Spacing	800mm / 1000mm / 800mm
Maximum Overhang	50mm
Fixing	DP4 Spacer fixed at every purlin

FASTENING TO RAFTERS ONLY

Sheet Length	Up to 12 metres
Transverse Support	Fascia board at each end only
Maximum Overhang	50mm
Fixing	

1. DP4 spacer fixed at 1000mm centres.
2. Edge sheet to be fixed to outside rafter with 12g x 50mm Tek screws and 25mm climaseal washers. Spacing as per knee fasteners. Screw holes must be oversize to facilitate expansion. Screws are then covered with metal barge flashing.

RESULT

**DANPALON DP4 MEETS THE REQUIREMENTS OF THIS TEST
THUS ELIMINATING THE NEED FOR SAFETY MESH**