

Laserlite Multiwall High Wind Load Installation Instructions

Wood Sub Frame & One Piece H-Bar

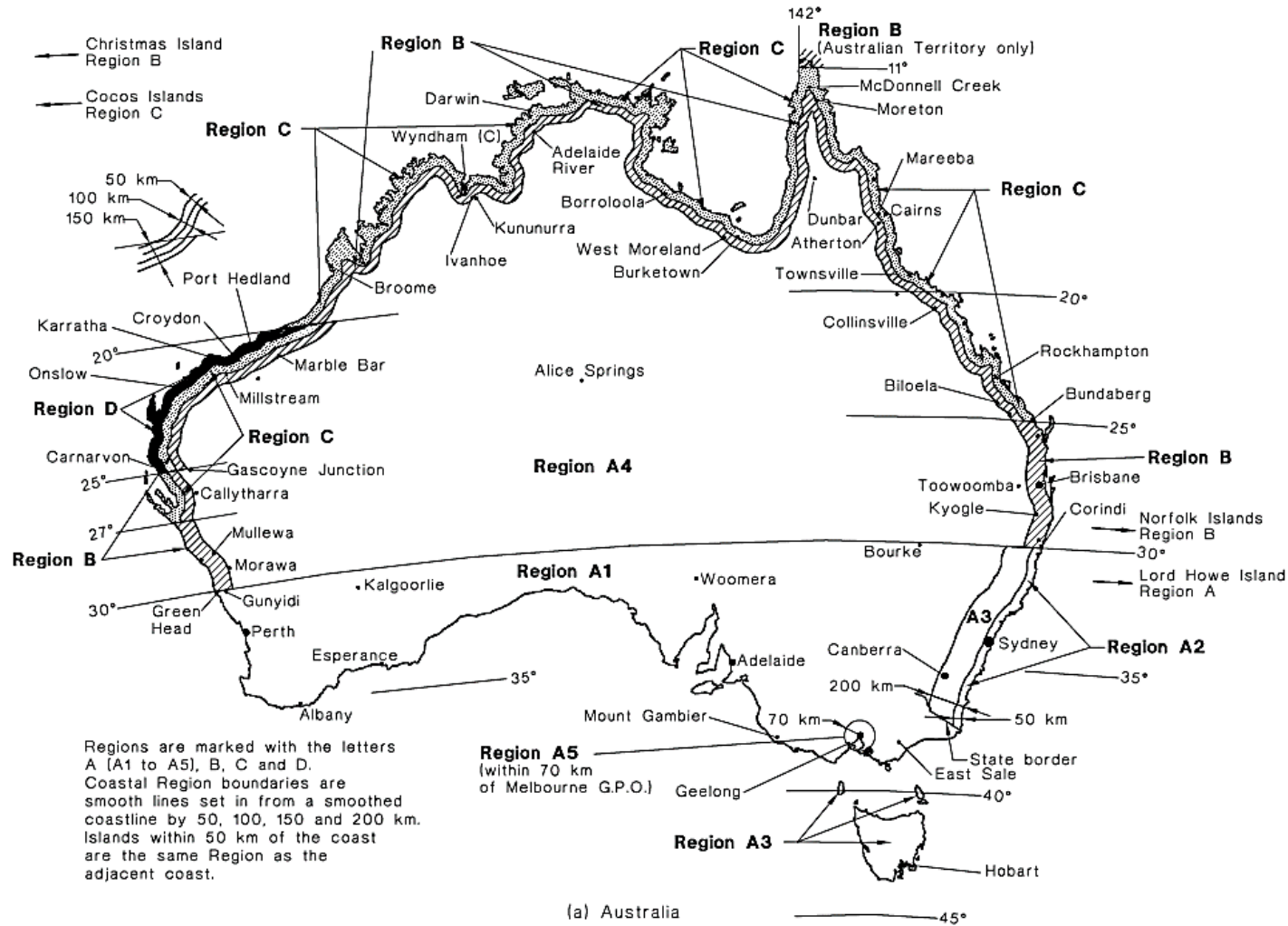
1. Create a strong wooden sub-frame from defect free timber having length-wise members to support H-Bars; cross-members for fixing through the Multiwall Sheet separated by not more than 1200mm.
2. Sub-frame system shall be assembled flush with the top surfaces of length-wise members and cross-members in the same plane.
3. Minimum fall of the sheets will be 5 degrees to the horizontal length-wise in the direction of the Multiwall Sheet flutes.
4. Fix One Piece H-Bar system with 14g x 50mm fixings consisting of **Hexagon Washer Head and Seal** to length-wise members at separations no greater than 600mm.
5. Drill 10mm oversize holes for fixings through Multiwall Sheets at equally spaced intervals centred on top of each cross-member.
6. Centrally fix through the sheet holes with 14g x 50mm fixings consisting of **25mm Aluminium Bonded Washer**. Do not over-tighten fixing creating a depression in the sheet.

MWS Sheet Gauge (mm)	MWS Sheet Width (mm)	Length-wise Member Centres (mm)	Max. Spacing of H-Bar fixings (mm)	Max. Cross-wise Member Centres (mm)	Sheet Oversize Hole Diameter (mm)	No. of MWS Fixings at each position
8	700	720	600	1,200	10	3
8	1,050	1,070	600	1,200	10	4
10	1,050	1,070	600	1,200	10	4

7. Only use the fixings designated:
 - 14g x 50mm fixing consisting of Hexagon Washer Head with Seal.
 - 14g x 50mm fixing consisting of 25mm Aluminium Bonded Washer.














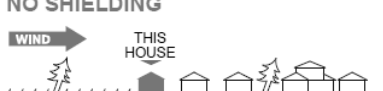







AS4055 Wind Loads for Housing

Select region:













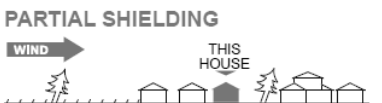






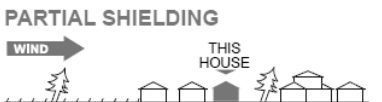



AS4055 Wind Loads for Housing

Rating Chart Region A

TERRAIN CATEGORY 3	WIND RATING	TOPOGRAPHY		
				
FULL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N1 500Pa 700Pa 150Pa	N1 500Pa 700Pa 150Pa	N2 700Pa 1000Pa 150Pa
PARTIAL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N1 500Pa 700Pa 150Pa	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa
NO SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa
TERRAIN CATEGORY 2.5	WIND RATING	TOPOGRAPHY		
				
FULL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N1 500Pa 700Pa 150Pa	N2 700Pa 1000Pa 150Pa	N2 700Pa 1000Pa 150Pa
PARTIAL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa
NO SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa
TERRAIN CATEGORY 2	WIND RATING	TOPOGRAPHY		
				
FULL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa
PARTIAL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa
NO SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa

AS4055 Wind Loads for Housing Rating Chart Region B

TERRAIN CATEGORY 3	WIND RATING	TOPOGRAPHY		
				
FULL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa
PARTIAL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa
NO SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa
TERRAIN CATEGORY 2.5	WIND RATING	TOPOGRAPHY		
				
FULL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N2 700Pa 1000Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa
PARTIAL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa
NO SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa	N4 1500Pa 2300Pa 200Pa
TERRAIN CATEGORY 2	WIND RATING	TOPOGRAPHY		
				
FULL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa
PARTIAL SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa	N4 1500Pa 2300Pa 200Pa
NO SHIELDING 	Wind Classification Serviceability Design Wind Pressure Ultimate Limit State Wind Pressure Water Penetration	N3 1000Pa 1500Pa 150Pa	N4 1500Pa 2300Pa 200Pa	N5 2200Pa 3300Pa 300Pa

Note: every care has been taken in supplying this information. It is offered as and should only be accepted as a general reference guidance to the suitability of Laserlite Multiwall sheet to particular applications. It is not intended that it reflects in details, nor should it be assumed that it does reflect in detail an interpretation of the Australian Standards. PT. Impack Pratama strongly recommends contacting Standards Australia, or Local Council Authorities for specific applications.