

# WEATHERCLIP 655™

A Triple Pan Profile With A Powerful  
Concealed Clip System that With  
stands Any Weather Condition



## WEATHERCLIP 655™

- ✓ *Durable Material*
- ✓ *Superb Protection*

**DMI**  
BUILDING PRODUCTS

## PROFILE (Minimum Recommended Pitch : 1° ( 1 in 55 )



### MATERIAL

WeatherClip 655 is made of Galvalume Zinc / Aluminium Alloy coated steel that complies with ASTM A792-G550-AZ150 (550 MPa minimum yield strength, 150g/m<sup>2</sup> minimum coating mass as determined by the prescribe triple sport test).

The Colorlume steel used in the manufacture of WeatherClip complies with ASTM A806 "Prepainted and Organic Film/Metal Laminate Products"

### LENGTH

All products are available from DMI distributors in lengths up to 21 meters custom-cut to your length requirements. Lengths longer than 21 meters can be supplied, provided satisfactory transport and on-site handling can be arranged or by site-rollforming.

### TOLERANCES

Length : 0, -15mm      Cover width : ± 4mm

### PACKING

Sheet are packed in strapped bundles of one tonne maximum mass.

### RECOMMENDED MAXIMUM SUPPORT SPACINGS

Base Steel Thickness (mm)	ROOF (mm)			WALL (mm)			Maximum Cantilever (mm)
	Single Span	Internal Span	End Span	Single Span	Internal Span	End Span	
0.42	1400	1600	1500	2000	2400	2100	200
0.48	1600	2100	1800	2300	2900	2700	250
0.60	2000	2700	2300	2500	3000	2900	300

### PROFILE SPECIFICATIONS

	ECONOMY		REGULAR		HEAVY	
	Zincalume	Pre-painted	Zincalume	Pre-painted	Zincalume	Pre-painted
Base Metal Thickness (BMT)	0.42		0.48		0.60	
Total Coated Thickness (TCT)	0.47		0.53		0.65	
Mass per unit Area (kg/m <sup>2</sup> )	4.80	4.90	5.45	5.55	6.76	6.85
Mass per unit Length (Kg/m)	3.17	3.23	3.60	3.66	4.46	4.52
Coverage (m <sup>2</sup> /t)	208	204	183	180	148	146

### LOAD TABLE (Uniformly Distributed Load Over Continuous Span Condition)

Base Steel Thickness	SPAN (mm)		900	1050	1200	1350	1500	1650	1800	1950	2100	2400
			0.42mm	Safe Imposed Load	kPa	6.7	5.6	4.4	3.5	2.9	2.3	2.0
	Deflection	mm	2.9	3.6	4.6	5.8	7.4	9.3	10.8	12.8	15.4	20.0
	Safe Wind Uplift	kPa	2.8	2.5	2.1	1.9	1.7	1.6	1.5	1.4	1.3	1.1
0.48mm	Safe Imposed Load	kPa	8.9	6.6	5.1	4.0	3.3	2.7	2.3	2.0	1.7	1.3
	Deflection	mm	3.1	4.1	5.4	6.5	8.3	10.1	11.8	14.1	15.9	20.3
	Safe Wind Uplift	kPa	3.8	3.4	2.9	2.5	2.0	1.9	1.7	1.6	1.5	1.3
0.60mm	Safe Imposed Load	kPa	11.6	8.6	6.6	5.2	4.3	3.5	3.0	2.6	2.2	1.7
	Deflection	mm	3.0	4.0	5.2	6.5	8.1	9.6	11.6	13.8	15.5	20.2
	Safe Wind Uplift	kPa	5.7	4.9	4.3	3.5	2.6	2.4	2.1	2.0	1.9	1.7

### MINIMUM ROOF SLOPE

It's recommended that a minimum slope of 1 in 55 or approximately 1° be provided. Also ensure that supports are in the same plane. Variation at the time of fixing - or the uneven shrinking of timber supports that may take place later - can cause a zero or negative fall.

However, it is wise to provide for a minimum slope of 1 in 30 (approximately 2°) to ensure a positive fall and avoid any danger of 'ponding' which could lead to a reduced service life.

### APPLICATION OF WEATHERCLIP 655

A triple pan profile utilising a powerful clip system, WeatherClip 655 is suitable for roofing applications on very long roofs down to 1° pitch. The WeatherClip's triple pan eliminate up to 45% of the side laps required in a double pan profile and therefore offers much more superior protection against leakage, particularly on places with heavy rainfall, a typical characteristics of the Malaysian climate...

WeatherClip 655 is economical to use due to its great spanning capability over other profiles and as such it helps to reduce steel purlin costs. Besides, for very long, low pitched roof, on-site rolling becomes a necessity and DMI offers this flexibility.