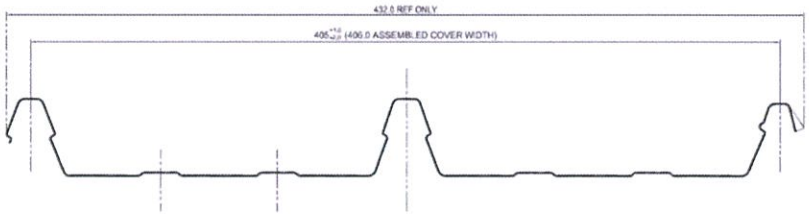
KLIP-LOK 406

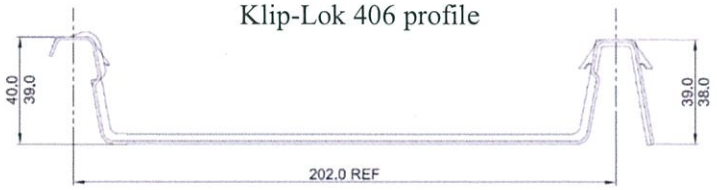
TEST REPORT SUMMARY

PIC/RW/R/296/04/0

Profile:



Klip-Lok 406 profile



KL65 Clip (for Klip-Lok 406)

1. Limit State Load capacity for Klip-Lok 406 is provided for 0.48 & 0.60 BMT (G550).
2. Klip-Lok 406 is fastened using 1 clip assembly per sheet to the support. Mounting clips are fastened to the support using 2, #10-16x16 wafer head self-drilling screws (or higher specification).
3. The capacity tables are based on testing carried out at Lysaght's NATA registered testing laboratory by using the direct pressure testing rig.
4. Testing was carried out in accordance to the following Australian Standards:
   a. AS 1562-1992 – Design and Installation of sheet roof and wall cladding-Part 1: Metal
   b. AS 4040.0-1992 – Methods for testing sheet roof and wall cladding-Part 0: Introduction, list of methods and general requirements
   c. AS 4040.1-1992 – Methods for testing sheet roof and wall cladding - Method 1: Resistance to concentrated loads
   d. AS 4040.2-1992 – Methods for testing sheet roof and wall cladding - Method 2: Resistance to wind pressure for non-cyclone regions

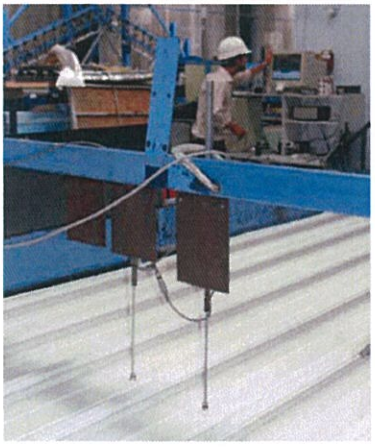


TABLE 2: LYSAGHT® KLIP-LOK® 406 Wind Capacities (kPa) - Limit State Format (Non-Cyclonic)

[A] Standard (Based Metal Thickness = 0.48mm)											
Type of Span	**Limit State**	**Span (mm)**									
		900	**1200**	**1500**	**1800**	**2100**	**2400**	**2700**	**3000**	**3300**	**3600**
Single	Serviceability	2.69	2.38	2.07	1.78	1.49	1.20	0.92	0.64	-	-
	Strength	4.90	4.80	4.55	4.20	3.65	3.05	2.35	1.70	-	-
End	Serviceability	2.41	2.17	1.96	1.77	1.61	1.46	1.32	1.18	1.02	0.84
	Strength	4.00	3.85	3.70	3.40	3.00	2.60	2.20	1.85	1.60	1.40
Internal	Serviceability	2.82	2.76	2.66	2.53	2.37	2.19	1.98	1.75	1.51	1.27
	Strength	4.60	3.95	3.40	2.95	2.60	2.30	2.05	1.85	1.65	1.50
[B] Non-Standard* (Based Metal Thickness = 0.60mm)											
Type of Span	**Limit State**	**Span (mm)**									
		900	**1200**	**1500**	**1800**	**2100**	**2400**	**2700**	**3000**	**3300**	**3600**
Single	Serviceability	4.82	4.12	3.47	2.88	2.34	1.83	1.34	0.87	-	-
	Strength	8.80	7.60	6.55	5.60	4.75	4.00	3.25	2.60	-	-
End	Serviceability	4.57	4.27	3.94	3.54	3.11	2.66	2.21	1.80	1.44	1.14
	Strength	6.50	5.20	4.10	3.30	2.85	2.60	2.40	2.25	2.00	1.65
Internal	Serviceability	5.05	4.71	4.36	4.00	3.62	3.25	2.86	2.47	2.07	1.67
	Strength	7.40	6.40	5.50	4.75	4.15	3.60	3.10	2.90	2.30	1.85

Note: For Non-Standard orders, a minimum order quantity and delivery lead time is applicable. Please refer to our sales representative or customer service officers for more information.

1. Strength limit state pressure capacities have been determined by testing the cladding to failure. A capacity reduction factor of 0.9 should be applied to derive the design capacity in the table above.
2. Serviceability limit state pressure capacities are based on a deflection limit of (span/120) + (maximum fastener pitch/30).

TABLE 1: LYSAGHT® KLIP-LOK® 406 Maximum Allowable Support Spacing - Non-Cyclonic Areas

	STANDARD (0.53mm TCT)	**NON-STANDARD # (0.65mm TCT)**
ROOF		
Single Span	1700mm	2000mm
End Span	2000mm	2300mm*
Internal Span	2300mm	2700mm*
Unstiffened Overhang +	200mm	300mm
WALL		
Single Span	2300mm	2500mm
End Span	2400mm	3000mm
Internal Span	2400mm	3000mm
Overhang +	400mm	600mm

1. The maximum recommended support spacings are based on testing.
2. Roof spans consider both resistance to wind pressure and light roof traffic (traffic arising from incidental maintenance).

note: further details refer to Lysaght Klip-Lok 406 Brochure.

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