

Safe T Perf

Adaptable:

Safe-T-Perf[®] is available in various hole sizes and patterns, to suit the particular application and can be easily custom fabricated to particular sizes or requirements. Its light weight minimises the structural supports required, while still offering excellent load bearing characteristics. It can be confidently specified in heavy traffic areas.

Internal or external installations are equally well suited, and will only influence the choice of material and/or coating.

Safety:

The 360° design ensures Safe-T-Perf® offers a highly effective non slip surface, even if foot traffic continually changes direction. This surface is part of the core product, not an additional layer that may strip off. Drain holes are large enough to prevent liquid from pooling on the surface, yet small enough to protect areas below the walkway from any heavy or sharp objects falling through.

Safe T Perf 14:

Whilst the new and improved Universal 14 maintains its high quality, inherent strength and slip resistance, it now has larger drain holes specifically designed to minimise the opportunity of blinding during the post Hot Dip Galvanising process. The improved Universal 14 will continue to be held in stock in Steel, Hot Dip Galvanised Steel and Stainless Steel sheets and can also be custom manufactured in most material types to sizes of your choice in Sheet Form, Planks, Stair Treads and Z Treads.

Availability:

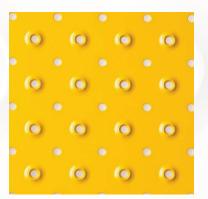
Safe-T-Perf[®] is an extremely versatile product, available in:

- Various hole sizes (Stiletto - 6, Universal - 14 & Stock Crate - 19)
- Various Materials (Mild Steel, Hot Dip Galvanised, 304 Stainless Steel, 316 Stainless Steel, Aluminium) and thicknesses (depending on the material chosen)
- Sheets, Stair Treads & Planks.
 NB: Stair Treads and Planks can be supplied with end gussets and fixing holes
- Stock Sizes and Custom Made

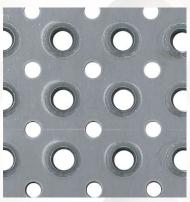
Safe-T-Perf[®] Z-Tread

Z-Tread is a unique product, custom made to your application. Z-Treads are pre-formed stair treads, including the going and riser, ready for installation. Z-Tread combines all of the benefits of Safe-T-Perf® with simple and fast installation. In addition, there are no gaps between stairs for objects to fall through.

Z-Tread panels are custom made to suit the width, going and riser of the application.



STILETTO - 6



UNIVERSAL - 14



STOCK CRATE - 19

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We set the standard

Uniformly Distributed Plank Length/Span (mm) Loading (kPa) 500 750 1000 1500 2000 2500 300	
	00
2.5 0.07 0.15 0.22 0.69 1.94 4.48 8.79	9
3.0 0.08 0.18 0.27 0.82 2.33 5.38 10.5	54
4.0 0.11 0.24 0.35 1.10 3.10 7.17 14.0)6
5.0 0.14 0.30 0.44 1.37 3.88 8.96 17.5	57
6.0 0.17 0.36 0.53 1.65 4.66 10.76 21.0)9
7.0 0.20 0.42 0.62 1.92 5.43 12.55 24.6	50
8.0 0.23 0.47 0.71 2.20 6.21 14.34 28.1	2
9.0 0.25 0.53 0.80 2.47 6.98 16.14 31.6	53
10.0 0.28 0.59 0.89 2.74 7.76 17.93 -	
AS/NZS 4600:2005 UDL Design Pressure	
Capacity R ₄ (kPa) 235.6 114.3 88.5 40.8 21.5 13.8 8.9)

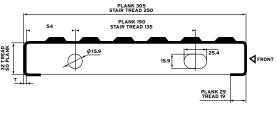
Concentrated				Length/S			
Loading (kN)	500	750	1000	1500	2000	2500	3000
0.5	0.10	0.19	0.31	0.62	1.15	2.07	3.52
1.0	0.20	0.38	0.61	1.24	2.30	4.14	7.03
1.5	0.30	0.57	0.92	1.86	3.45	6.21	10.55
2.0	0.39	0.75	1.22	2.48	4.59	8.27	14.07
2.5	0.49	0.94	1.53	3.10	5.74	10.34	17.59
3.0	0.59	1.13	1.83	3.73	6.89	12.41	21.10
3.5	0.69	1.32	2.14	4.35	8.04	14.48	24.62
4.0	0.79	1.51	2.44	4.97	9.19	16.55	28.14
4.5	0.89	1.70	2.75	5.59	10.34	18.62	-
5.0	0.98	1.89	3.05	6.21	11.48	-	-
5.5	1.08	2.08	3.36	6.83	12.63	-	-
6.0	1.18	2.26	3.66	7.45	13.78	-	-
6.5	1.28	2.45	3.97	8.07	-	-	-
7.0	1.38	2.64	4.27	8.69	-	-	-
7.5	1.48	2.83	4.58	9.31	-	-	-
AS/NZS 4600:2005 Concentrated Design Load Capacity R₄ (kN)	24.8	16.6	13.0	8.1	6.0	4.8	4.0
Deflection Limit/Span on 300	1.67	2.50	3.33	5.00	6.67	8.33	10.00

Flat Sheets	2.5mm M Deflection			ged hole 14 ted load @				
One-Way Spanning	(Two Edge	s Support	ed)					
Span (mm) Deflection (mm)	500 4.01	600 4.72	700 5.74	800 7.41	900 8.31			
Two-Way Spanning	(Four Edg	es Support	ed)					
Span (mm) Deflection (mm) * Stock Sizes	500 x 1000 4.63	600 x 1200 4.71	700 x 1400 4.95	800 x 1600 6.64	900 x 1800 8.26	1000 x 2000 7.54	1100 x 2200 9.23	1220 x 2440* 13.81

Safe-T-Perf [®] Stair Tr Load vs Deflection (nm TREAD DEPTH = 38mm = 2.5mm Mild Steel
Uniformly Distributed Loading (kPa)	Tread Lengt 610	:h/Span (mm) 1000
2.5	0.12	0.39
3.0	0.15	0.47
4.0	0.20	0.62
5.0	0.24	0.78
6.0	0.29	0.93
7.0	0.34	1.09
8.0	0.39	1.24
9.0	0.44	1.40
10.0	0.49	1.55
AS/NZS 4600:2005 UDL Design Pressure		
Capacity R ₄ (kPa)	66.7	46.3

Concentrated Loading (kN)	Tread Lengtl 610	n/Span (mm) 1000
0.5	0.24	0.54
1.0	0.48	1.07
1.5	0.73	1.61
2.0	0.97	2.14
2.5	1.21	2.68
3.0	1.45	3.22
3.5	1.70	3.75
4.0	1.94	4.29
4.5	2.18	4.83
5.0	2.42	5.36
5.5	2.66	-
6.0	2.91	-
6.5	3.15	-
7.0	3.39	-
7.5	3.63	-
AS/NZS 4600:2005 Concentrated Design Load Capacity Rd (kN)	8.9	5.1
Deflection		

Limit/Span on 300



2.03

3.33

All testing was carried out in accordance with AS/NZS 4600:2005 COLD-FORMED STEEL STRUCTURES where three (3) repeat tests were conducted on each plank/loading/span configuration. Materials tested for the determination of the steels tensile properties were conducted in accordance with AS 1391-2007 METALLIC MATERIAL TENSILE TESTING AT AMBIENT TEMPERATURE. All tests conducted at a NATA accredited laboratory.

For results of the latest slip resistance tests, visit our website. Technical Data Sheet LIF-105 Walkway Slip Resistance.