

Choosing Mitex Rigidized Metals

Stocks of standard size sheets are held and orders from these can normally be met in 7-10 days. Cut sizes are available within the limits specified below.

Availability

Stock sizes Limits

Sheet thickness range

 <p>2WL</p>	<p>Finer version of 5WL. Highly resistant to finger marking. Good scratch resistance. Excellent fabrication properties. Highly recommended for decorative trim.</p>	<p>1829x914mm 2438x914mm</p>	<p>up to 914mm wide</p>	<p>Aluminium 0.4-1.219mm</p> <p>Stainless Steel 0.4-0.914mm</p> <p>Mild Steel, Zintec 0.4-0.914mm</p>
 <p>5WL</p>	<p>Best compromise between strength and eye appeal. Good fabrication features similar to flat sheet. Highly scratch resistant. Easily cleaned. Domestically acceptable for surfaces. Good paint acceptance.</p>	<p>1829x914mm 2438x1219mm 2x1m</p>	<p>1270mm wide up to 4877mm long</p>	<p>Aluminium 0.4-2.032mm</p> <p>Stainless Steel 0.4-1.2mm</p> <p>Mild Steel, Zintec 0.4-1.626mm</p>
 <p>6WL</p>	<p>Most efficient for weight/cost saving. Greatest increase in surface area. Highest reflectivity. Best resistance to impact damage. Optimum buckling strength. Superior visual flatness. Good forming and working characteristics.</p>	<p>1829x914mm 2438x1219mm 2x1m</p>	<p>1270mm wide up to 4877mm long</p>	<p>Aluminium 0.4-3.251mm</p> <p>Stainless Steel 0.4-1.626mm</p> <p>Mild Steel, Zintec 0.4-2.032mm</p>
 <p>7GM</p>	<p>Specially designed to have non-slip properties for use as tread plates. The pattern, which is similar to 4SD, is visually attractive and easily cleaned.</p>	<p>1829x914 2x1 metre</p>	<p>1metre wide</p>	<p>Aluminium 0.4-2.032mm</p> <p>Stainless Steel 0.4-1.626mm</p> <p>Mild Steel, Zintec 0.4-2.032mm</p>

5WL Overall Thickness

Gauge	Flat mm sheet	5WL mm average
10	3.25	—
12	2.64	—
14	2.03	—
16	1.63	1.83
18	1.22	1.40
20	0.914	1.12
22	0.711	0.89
24	0.558	0.76
26	0.457	0.74
28	0.375	0.71
Foil	0.075	0.60

6WL Overall Thickness

Gauge	Flat mm sheet	6WL mm average
10	3.25	4.12
12	2.64	3.48
14	2.03	2.84
16	1.63	2.34
18	1.22	2.06
20	0.914	1.75
22	0.711	1.57
24	0.558	1.45
26	0.457	1.32
28	0.375	1.19
Foil	0.075	1.06

Mitex

RIGIDIZED

METALS PTY. LTD.

ACN 008 217 114

Weight Saving Tables

THEORETICAL WEIGHTS OF STAINLESS STEEL SHEET IN KGS — TYPE — 304

SWG	INS	mm	KGS./FT ²	6' x 3'	8' x 4'	2000mm x 1000mm	2500mm x 1250mm	Kg/m ²
16	0.064	1.63	1.21	21.8	38.7			13.02
	0.058	1.50	1.10			23.7	37.0	11.84
18	0.048	1.22	0.91	16.4	29.1			9.80
—	0.039	1.00	0.74			15.9	24.9	7.97
20	0.036	0.914	0.68	12.2	21.8			7.32
	0.035	0.900	0.66			14.2	22.2	7.11
	0.031	0.800	0.59			12.7	19.8	6.35
22	0.028	0.711	0.53	9.54	16.96			5.71
	0.027	0.700	0.51			10.98	17.15	5.49
23	0.024	0.610	0.45	8.10	14.40			4.85
—	0.023	0.600	0.43			9.25	14.46	4.63
24	0.022	0.559	0.42	7.56	13.44			4.52
25	0.020	0.508	0.38	6.84	12.16			4.09
—	0.019	0.500	0.36			7.75	12.11	3.88
26	0.018	0.457	0.34	6.12	10.88			3.66
27	0.0164	0.417	0.31	5.58	9.92			3.34
	0.0156	0.400	0.29			6.24	9.75	3.12
28	0.0148	0.376	0.28	5.04	8.96			3.02
30	0.0124	0.315	0.23	4.14	7.36			2.48

THEORETICAL WEIGHTS OF ALUMINIUM IN KGS

SWG	INS	mm	KGS./FT ²	6' x 3'	8' x 4'	2000mm x 1000mm	2500mm x 1250mm	Kg/m ²
10	0.128	3.25	0.817	14.7	26.1	17.6	27.5	8.80
1/8"	0.125	3.18	0.798	14.4	25.5	17.2	26.8	8.59
—	0.117	3.00	0.756	13.6	24.2	16.3	25.4	8.14
11	0.116	2.95	0.744	13.4	23.8	16.0	25.0	8.01
12	0.104	2.64	0.667	12.0	21.3	14.4	22.4	7.18
—	0.097	2.50	0.630	11.3	20.1	13.6	21.2	6.78
13	0.092	2.34	0.590	10.6	18.9	12.7	19.8	6.35
14	0.080	2.03	0.513	9.23	16.42	11.0	17.2	5.52
—	0.078	2.00	0.504	9.07	16.13	10.8	16.9	5.43
15	0.072	1.83	0.463	8.33	14.81	10.0	15.6	4.98
16	0.064	1.63	0.409	7.36	13.09	8.80	13.75	4.40
1/16"	0.062	1.58	0.400	7.20	12.80	8.61	13.45	4.31
—	0.058	1.50	0.377	6.79	12.06	8.11	12.68	4.06
17	0.056	1.42	0.359	6.46	11.49	7.73	12.07	3.86
18	0.048	1.22	0.307	5.53	9.82	6.61	10.32	3.30
19	0.040	1.02	0.256	4.61	8.19	5.51	8.61	2.76
—	0.039	1.00	0.252	4.54	8.06	5.42	8.47	2.71
20	0.036	0.914	0.230	4.14	7.36	4.95	7.74	2.48
21	0.032	0.813	0.204	3.67	6.53	4.39	6.86	2.20
22	0.028	0.711	0.179	3.22	5.73	3.85	6.02	1.93
23	0.024	0.610	0.153	2.75	4.90	3.29	5.15	1.65
24	0.022	0.559	0.140	2.52	4.48	3.01	4.71	1.51
25	0.020	0.508	0.128	2.30	4.10	2.75	4.30	1.38
26	0.018	0.457	0.115	2.07	3.68	2.47	3.81	1.24
27	0.0164	0.417	0.105	1.89	3.36	2.26	3.53	1.13
28	0.0148	0.376	0.095	1.71	3.04	2.04	3.19	1.02
30	0.0124	0.315	0.079	1.42	2.53	1.70	2.66	0.85

STAINLESS STEEL FINISHES

Finish No. Description	Notes
Mill Finishes	
0 — Hot rolled and softened but not descaled.	Suitable only for certain heat resisting applications, as the presence of oxide scale impairs resistance to corrosion. Surface inspection is not practicable.
1 — Hot rolled, softened and descaled.	Generally used when smoothness and uniformity of finish are not important, grinding marks may be present in local areas.
2D — Cold rolled, softened and descaled.	A uniform matt finish
2B — Cold rolled, softened, descaled and lightly rolled on polished rolls.	A smooth finish for general applications brighter than finish No. 2D.
2A — Bright annealed.	A cold rolled reflective finish retained through annealing.
Polished finishes	
3A — Ground	A uniform finish generally obtained with 80-100 grit size and not usually applied to thicknesses less than 0.104 inch (2.6 mm).
3B — Brush	A semi-dull finish generally applied to a 2D, 2B or 2A surface. Produced by using a bristle type brush and a suitable polishing compound or by similar means. This finish is applied to thicknesses less than 0.104 inch (2.6 mm).
4 — Polished with fine grit	The final polishing generally with abrasives of 150 grit size gives an directional texture, not highly reflective, which is suitable for general purposes.
8 — Mirror Polished	A bright reflective finish with a high degree of image clarity. Produced by polishing with successively finer grits followed by buffing with very fine polishing compounds. Plate with this finish is generally supplied with a No. 3 finish on the reverse face.

Finishes commonly used

Ground Finish

A part finish appropriate to plate (10 swg and thinner). This finish is essentially coarse and is intended to remove any surface pitting, etc. Final finishing should take place after fabrication.

No. 4 Finish (Dull Polish)

This finish incorporates the ground finish, but takes it a further stage by additionally polishing with finer abrasive belts to produce a smooth, hygienic, visually pleasing finish.

'O' Finish

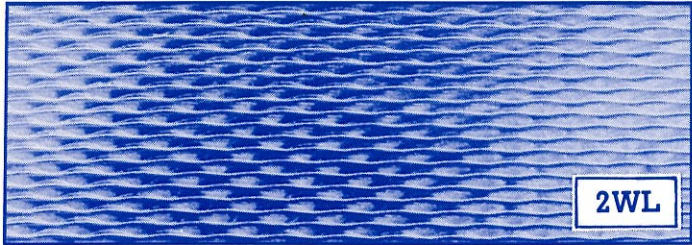
Usually applicable to continuous rolled sheets (14 swg and thinner) as a cheaper alternative to a No. 4 finish. No pre-grinding is given and a set number of passes by 100 grit abrasive belts is applied. This finish is increasingly used because of the favourable price comparison with No 4 finish, because of the ease of blending in and because of the gauges mentioned the quality of the rolled finish from Mills is good enough now to generally give an improved base to polish.

Dull Buff

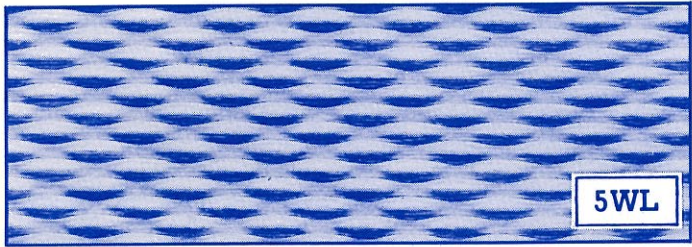
The comments apply to 'O' finish generally apply to dull buff. The difference between the two is that dull buff is applied to 180 grit or (if specified) 240 grit abrasive belts. This finish is also gaining popularity where a smoother, perhaps more aesthetically pleasing effect is required.



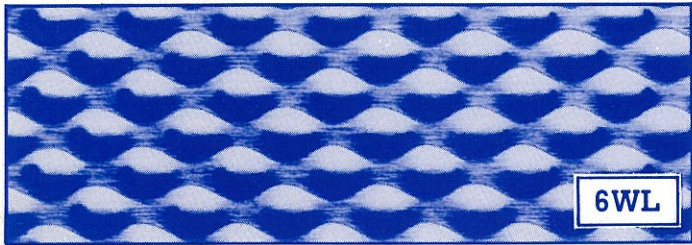
1CP



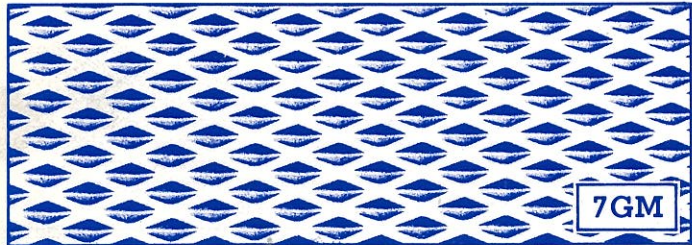
2WL



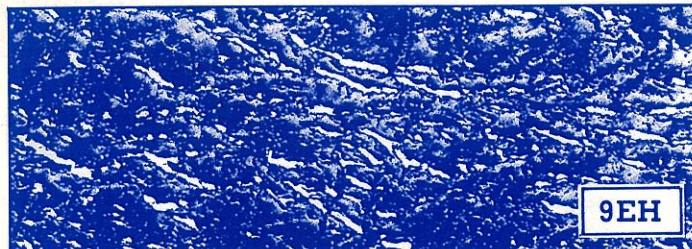
5WL



6WL



7GM



9EH

SOME SUGGESTED USES

- | | |
|---------------------------------------|------------------------------|
| Door and Machinery kick plates | Supermarket Tables |
| Signs | Preparation Tables |
| Petrol Pumps | Airconditioning Cladding |
| Splash Guards | Supermarket Checkouts |
| Cold Stores | Bar Cladding |
| Coolroom Floors | Off-Shore Oil Accommodation |
| Ducting | Nuclear Shelters |
| Special Purpose Machinery | Mould Cladding |
| Conveyors | Crane Floors |
| Cases | Wall Lining |
| Catering Equipment | Ice Lorry Freezer Cabinets |
| Light Reflectors | Medical Laboratory Equipment |
| Cladding | Lorry Tail-Gates |
| Shelving | Vent Systems (Cladding) |
| Aircraft | Sun-Bed Reflectors |
| Lift Doors & Cladding | Rail Track Lifting Equipment |
| Chip Dispensing Equipment | Swimming Pool Steps |
| Furnace Cladding | Copying Machines |
| Drink Dispensers | Noise Insulation |
| Toilet Partitions | Galleys |
| Meals on Wheels Boxes | Industrial Walkways |
| Refrigeration Display Cabinets (Trim) | Refrigerated Vans |
| Industrial Doors | Freezer Cabin Linings |
| Bridge Cladding | Shower Cubicle Floors |

Patterns

Rigidized Stainless Steel is already well established in many areas of manufacturing industry; its properties of extra strength, weight reduction and attractive finish make it superior to flat sheet metal for many applications. Now, a further dimension has been added to this already versatile material. Colour!

A specially developed light interference film produces a reflection modified to the wavelength of the colour required. This is not a paint or dye that covers the base material, but a transparent coating that preserves the quality of Stainless Steel whilst imparting the impression of a rich colour.

The new Coloured materials use Rigidized patterns with the practical advantages that they confer. The patterns are further enhanced by a hi-lighting process that removes the colour from the high points of the pattern to create a variety of unique textures.

Mitex
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