

Wear Plate & Block

Vidaplate Catalogue



VIDAPLATE V31

V9542

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Our Innovation. Your Advantage.

Vidaplate[®]

Vidaplate®

Vidaplate is a chromium carbide composite cladding, that is fusion bonded to a backing material. Vidaplate is renowned for being one of the most abrasive resistant surfaces available. Vidaplate has been proven to outlast quench and tempered steel by up to 10 times in high abrasion and impact applications.

The standard backing material for Vidaplate is AS3678-250 mild steel, however, this can be changed to suit your operating environment. The backing plate acts as a ductile base, which allows Vidaplate to be formed and shaped without damage to the overlay material. The backing plate can also be used for structural support, allowing entire hoppers and chutes to be created using only Vidaplate.

Vidaplate is available in four different grades to suit a range of operating conditions:

- V31 - Suited for applications involving high abrasion with moderate to high impact.
- V37 - Suited for applications involving high abrasion and high impact.
- V34 - Suited for applications involving severe sliding abrasion or fine particle abrasion with low impact.
- V45/V45XP - Suited for applications requiring high abrasion resistance at elevated temperatures up to 800°C.

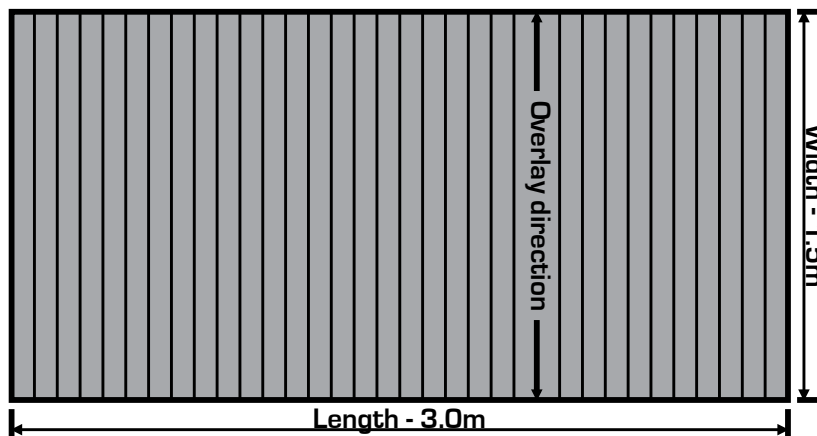


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Standard Dimensions & Weights

Standard sheets are marked with an X

Plate Type	Grade		Overall Thickness (mm)	Weight (Kg.m ²)
	V31	V37		
3 on 5			8	63
4 on 6	X		10	79
4 on 8			12	94
5 on 8	X		13	102
5 on 10			15	118
6 on 6	X	X	12	94
6 on 8	X		14	111
6 on 10			16	126
6 on 12			18	142
7 on 8	X		15	118
7 on 10	X		17	134
7 on 12			19	150
9 on 10	X	X	19	150
9 on 12	X		21	167
9 on 16			25	199
12 on 10	X		22	174
12 on 12	X		24	190
17 on 10	X	X	27	212
17 on 12			29	228



Sheet size and overlay direction

Notes:

1. Example - Plate type 5 on 8 has 5mm Vidaplate on 8mm of backing plate.
2. Non-standards plate types are made to order with a minimum quantity.
3. Overlay beads run along widths as indicated in the diagram above.
4. Sheet lengths can be manufactured longer to suit customer requirements. Some limitations apply.
5. V34 and V45/V45XP are made to order and have some manufacturing constraints.
6. Other thicknesses can be manufactured on request.
7. Please discuss any variation from standard with your local sales representative.

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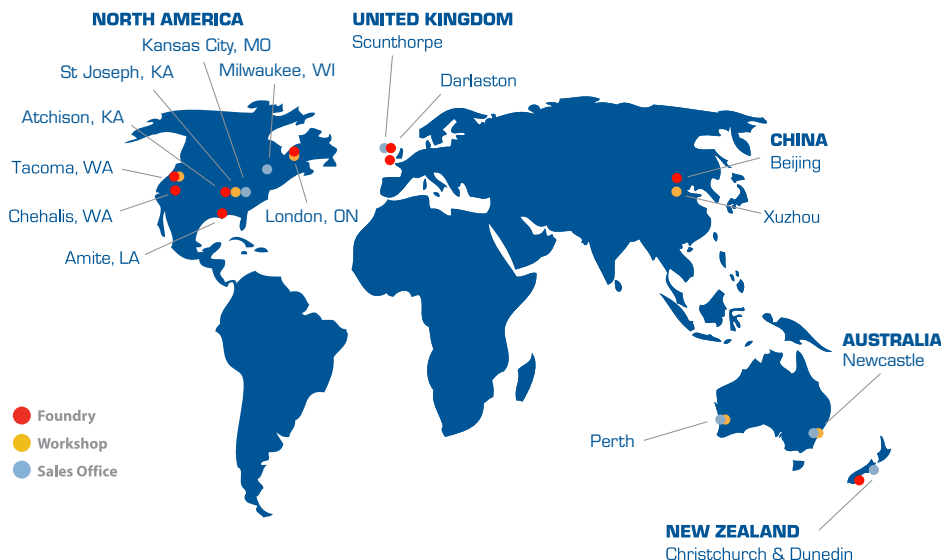
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