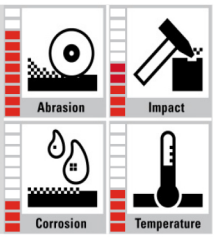
VAUTID 143

Wear plates for highly wear resistant hardfacing and medium impact

VAUTID®

VAUTID Material characteristics



Base materials	All weldable steels, mostly structural steels
Material type Alloy components	High-chromium/high-carbon alloy on iron base with embedded NB carbides C – Cr – Nb – Fe
Recommended applications	Similar to VAUTID 100 but with higher resistance against abrasion and impact, average resistance against corrosion and temperatures up to 350° C
Weld deposit properties	Hardness (acc. DIN 32525-4): approx. 750 HV10, approx. 62 HRC*
Main industries	Mining, glass industry, metallurgical plant, cement works, power stations, etc.
Typical machine parts	Chutes, sieves, transfer stations, bunkers, mill linings, dust and ash ducts, etc.
Handling	- Conventional machining possible only by grinding - Thermal cutting using laser, plasma or water jet cutting - Cold working from diameter 300 mm possible with hard facing inside (1) - Cold working from diameter 450 mm possible with hard facing outside (1) - Fixing by welding or bolting on the base material - Constructions comparable with conventional steel construction

(1) dependent on thickness of plates

* subject to common industrial fluctuations

Forms of delivery:

Formats (mm)	Thickness of the plates Base material + Hardfacing (mm)	Material Layers	Comments
Standard formats 2.400 x 1.150 (2) 2.900 x 1.400 (2)	5+3 (3), 6+4, 6+6, 8+5, 8+6, 8+8, 10+5, 10+10 Futher combinations on demand	≤ 6 mm: 1 Layer > 6 mm: 2 - 4 Layers	Base material 5 mm: Hardfacing 3 mm Base material 6 mm: Hardfacing3 - 6 mm Base material ≥ 8 mm: Hardfacing 3 - 20 mm
Special body Up to 3.900 x 1.900 (2)	On demand	≤ 6 mm: 1 Layer > 6 mm: 2 - 4 Layers	Base material 6 mm: Hardfacing 4 -6 mm Base material ≥ 8 mm: Hardfacing 4 -20 mm

(2) Hardfaced area
(3) max. 2.900 x 1.400 mm

This data sheet corresponds to the present state of production (October 2016) and can be changed anytime.