

VAUTID 800

Wear plate with smooth, almost crack-free surface,
abrasion resistant and resistant to temporary impact loading

VAUTID®

VAUTID Material characteristics



Base materials	Unalloyed structural steels
Material type Alloy components	High-chromium-high-carbon special alloy based on iron C - Cr - Fe
Recommended applications	VAUTID 800 is intended for applications in which a smooth surface is required in high wear/moderate impact environments. The smooth surface, without weld lines, allows plates to be orientated multi-directional and prevents material hang-ups. The surface is almost crack-free. Maximum operational temperature is 450° C
Weld deposit properties	Hardness (acc. DIN 32525-4): 58 HRC*
Main industries	Metallurgical plants, cement industry, power stations, mining, sand and gravel industry, etc.
Typical machine parts	Transfer points, chutes, grates, mill liners, etc. Best suited when the conveyed/processed medium easily adheres to surfaces resulting in material jams or blockages. No spalling due to temporary impact loads.
Handling	<ul style="list-style-type: none"> - Conventional machining possible only by grinding - Thermal cutting using laser, plasma or water jet cutting - No welding direction visible, therefore very flexible when nesting cut parts - Cold forming with internal hard layer, slight cracking may occur - Minimum bending radius: 250mm for 6+6mm, 400mm for 10+10mm sheets - Fixing by welding, bolting on the base material, countersunk rings or inserts - To be used only as lining material, not as self-supporting constructions

* subject to common industrial fluctuations

Forms of delivery:

Formats (mm)	Thickness of the plates Base material + Hardfacing (mm)	Material Layers	Comments
Standard formats 2.800 x 1.400 ⁽²⁾	6+6, 10+10 Further combinations on demand	≤ 6 mm: 1 Layer > 6 mm: 2 Layers	Smooth surface, almost no cracks

This data sheet corresponds to the present state of production (July 2022) and can be changed anytime.

⁽²⁾ Hardfaced area