

ABRA-FACE 63®

Wear-resistant clad plates

The **ABRA-FACE 63® wear-resistant clad plates** are **composite plates** combining a steel substrate and a **chrome carbide hardfacing**.

Exceptionally resistant to abrasion and with a hardness of **58 to 62 HRC**, the **ABRA-FACE 63® plates** have been selected by our experts for their **high wear and impact resistance**, as well as their suitability for transformations such as **rolling or bending**.

PROPERTIES & APPLICATIONS

The **ABRA-FACE 63® plates** are used in various industries where **abrasion** is a major operational challenge.

The coating does not have its own **mechanical properties** and should be considered as a layer dedicated to **abrasion resistance**. The **mechanical strength** of the parts is provided by the **steel substrate**.

The **ABRA-FACE 63® plates** can be **delivered cut and shaped** according to the specific requirements.

Main applications : *Crusher shields and conveying systems, wear shells, chutes, troughs, transport or grinding screws, knives, blades, hoppers, tanks, etc.*

CHEMICAL COMPOSITION

Mass Composition in %

C	Si	Mn	Cr	Ni	B	Fe
4.8	1.5	1.5	27	0.1	0.5	Reste

MECHANICAL PROPERTIES

The coating has no inherent **mechanical properties** and should be considered as an **abrasion-resistant layer**. The **mechanical strength** of the parts is provided by the **steel substrate**.

Typical values for the S235JR steel substrate:

Rp 0.2 : 235 MPa
Rm : 360 - 510 MPa
A% : 22

Deposit Hardness: 62 HRC / Low dilution deposit

DIMENSIONS

Standard Format: 1500 x 3000 or 2000 x 3000

The **ABRA-FACE® plates** can be delivered **cut and shaped** according to requirements.

THICKNESSES

4+2, 5+3, 6+4, 8+5, 12+8, 20+5, 25+5

Groupe BMI

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Contact Details

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APPLICATION

The ABRA-FACE 63® plates have good forming and bending properties.

They can be mechanically welded, provided the connections are made on the base plate using a suitable welding product.

Additional hardfacing : possible with our FCW 63® wire.

The service temperature should be limited to 300°C. For temperatures above this, please contact us.