ABRA-FACE 67-650®

Wear-resistant clad plates

The **ABRA-FACE 67-650® wear-resistant clad plates** are **composite plates** combining a steel substrate with a **chrome carbide and complex carbide hardfacing**.

With an **exceptional hardness** of **60 to 64 HRC**, they offer **outstanding resistance to abrasion and impact**.

These plates have been **meticulously selected by our experts** for their **unmatched performance**, as well as their **high formability** (rolling, bending, etc.).

PROPERTIES & APPLICATIONS

The **ABRA-FACE 67-650® plates** are specifically designed to meet the requirements of industries where **abrasion** is a major operational challenge, especially at **high service temperatures** reaching **650°C**.

Their coating, exclusively intended to resist **abrasion**, does not have its own **mechanical properties**. The **strength of the parts** relies on the **steel substrate** that serves as the base.

These plates maintain **excellent wear resistance** up to **650°C** and can be provided **customized**, cut, or formed according to your specific needs.

Main applications : Shields in the steel industry *(blast furnaces - sintering),* ***extraction fans, incineration, furnaces, mineral heat treatment****, etc...*

CHEMICAL COMPOSITION

Mass Composition in %

C	Si	Mn	Cr	Nb	W	V	Fe
5.5	1.4	0.5	22	3	6	1	0.4

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: 64 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.

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THICKNESSES

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

APPLICATION

The **ABRA-FACE 67-650® plates** have good **formability and bending properties**. They can be **mechanically welded**, provided that the connections are made on the base plate using an **appropriate welding product**.

Additional hardfacing: possible with our **FCW 67® wire**. The **service temperature** should be limited to **650°C**. For temperatures beyond this, please **contact us**.

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