

COR™FACE 9240 FC

DESCRIPTION

COR™FACE 9240 FC is a flux-cored, hardfacing alloy designed to resist severe abrasion without cracking. This iron base alloy's abrasion resistance is attributable to its optimum microstructure, which hosts primary chromium carbides in an austenite-carbide eutectic matrix. The carbon is moderated to support impact resistance.

APPLICATIONS

9240 FC is typically used to hardface items requiring resistance to impact and severe abrasion where weld bead crosschecks are not permissible i.e. food processing equipment, paper industry components, and mining equipment used in corrosive environments. Specific uses include expeller screws and liners, and debarking hammers.

PROCEDURE

Hardfacing generally does not require any heat treatment. Preheat and post heat according to the base material where necessary.

WELDING PARAMETERS

	Size	Volts	Amps	Stickout
FC-O	.045"	22-24	120-200	1"
FC-O	1/16"	24-26	200-300	1.25"
FC-O	3/32"	27-29	300-450	1.5"
FC-O	7/64"	27-29	350-500	1.5"

FC-S also available

MECHANICAL PROPERTIES

Hardness: 39-42 Rc as welded

CLASSIFICATION

Chromium-Carbide Iron base hardfacing alloy