ARCTEC® ARMORCLAD® 65 MXC

a quality welding alloy

GENERAL CHARACTERISTICS:

ARCTEC® ARMORCLAD® 65 MXC is a macro crystalline tungsten carbide PTA (Plasma Transfer Arc) powder alloy suitable for applications subjected to severe abrasion.

APPLICATIONS:

ARCTEC® ARMORCLAD® 65 MXC is designed for the application of wear resistant coatings on surfaces subjected to severe abrasion and moderate impact. Suitable for use in mining applications where mineral abrasion is present.

WELDING PROCEDURE:

Clean the weld zone free of oil, grease, rust and other contaminants by grinding if necessary. Apply powder using the Plasma Transfer Arc process. Ensure that coated parts cool slowly. Machinable by grinding only.

CHEMICAL COMPOSITION (Typical):

	C	Si	Cr	Ni	B	Fe	MCWC
Ni-Matrix 35% by weight:	0.22	3.21	7.45	Balance	1.69	1.56	
MCWC 65% by weight							Balance

Hardness:

Tungsten: 2000-2200 HV
Matrix: 38-42 HRC

Grain Size:

Ni-Matrix:	>160 µm	Max. 5%
	<63 µm	Max. 5%
Tungsten:	>160 µm	Max. 5%
	<63 µm	Max. 5%

Machinability: By grinding only

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Subject to change without notice