

# ARCTEC® TUNGCRUDE “B”



## GENERAL CHARACTERISTICS:

ARCTEC® TUNGCRUDE B is a premium grade tungsten carbide spray powder in a tough corrosion resistant nickel based matrix. The deposit provides extreme wear and abrasion resistance under moderate impact.

## APPLICATIONS:

ARCTEC® TUNGCRUDE B is designed for wear resistant coatings on steel, nickel alloys and cast iron surfaces subject to abrasion. Suitable for use in the tar sands and other mining applications where extreme abrasion is present.

## WELDING PROCEDURE:

Clean the weld zone free of oil, grease, rust and other contaminants by grinding if necessary. Apply with oxy-acetylene flame spray equipment using a neutral flame. Preheat base material to a “cherry red” color to optimize flow and bond strength. Avoid overheating. Single and multipass build up from .5 mm to desired thickness may be made. If surface finishing is required use a diamond grinding wheel.

## MECHANICAL PROPERTIES:

Carbide	Knoop Microhardness: 2090 to 2300
Matrix:	60 RC

## OPERATING PARAMETERS

WELDING PROCESS: FLSP

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