

Wingate Alloys Champaloy Clad Overlay Wear Plate, Chrome Carbide Fusion Plate

Category : Metal , Ferrous Metal , Alloy Steel , Carbon Steel

Material Notes:

Chrome carbide fusion plate Champaloy is an ultra-hard, impact and abrasion resistant chrome carbide composite alloy formed by metallurgically bonding granular chromium carbide powder to steel. The result is the ultimate wear resistant properties available for the heaviest abrasion/impact applications. The surface of high quality fusion cladding should always contain distribution of large and small stress relief cracks in order to provide maximum wear life in heavily abrasive applications. Stress relief cracks are normal and should occur during the application of fusion cladding to a backing plate. In most applications, proper layout of the stress cracks will provide a wear surface to handle abrasives effectively and economically. Advantages: Can be cut, formed and welded Pipe fabricated 2" ID and over Cost effective Stress relieved Extended service life Superior abrasion/impact resistant Good weldability to mild steel base Superior to ceramics Overlay can be applied to two sides for added strength and durability. Applications: Bucket lips, exhauster blades, hot mill guides, sluice gates, chipper, hoods, fan blades, liner plates, slurry lines, chutes, fan housing, mining equipment, transitions, coal chutes, feeder plates, pipe, truck liners, cone liners, flop gates, scrapers, vibrating pans, cyclones, grizzly bars, shovel liners, wear plates, dozer blades, hoppers, skip cars, whizzer blades. Information from Wingate Alloys Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wingate-Alloys-Champaloy-Clad-Overlay-Wear-Plate-Chrome-Carbide-Fusion-Plate.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	1750	1750	Carbide
Hardness, Rockwell C	60	60	Matrix

Descriptive Properties	Value	Comments
Base Plate (in)	0.25	
Base Plate(in)	1.5	
Bead Width (in)	1.25	
Double Pass (in)	0.25	
	0.375	
Single Pass (in)	0.1875	
	0.25	

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