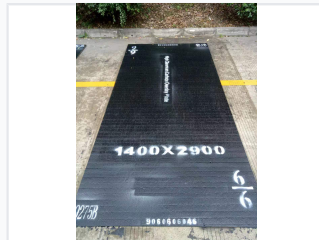


Wear Resistant Chromium Carbide Overlay Plate

This high chromium carbide overlay plate is designed for wear resistance in demanding applications. It is commonly used in mining, construction, and material handling industries to protect against abrasion and impact.

Item	Hardness		Chemical Composition	Characteristics	Application
	HV	HRC			
Excellent GT 60	1430 HV0.05 1000 HV0.1 900 HV1.0	RC 58-62	Cr21-35 - C4.5-7.5 Mn*	Substit for High abrasion Middle impact	1. Chute & hopper liners 2. Power plant bins 3. Coal slurry tube & blow 4. Crusher main frame liners
Excellent GT 80	1430 HV0.05 1000 HV0.1 900 HV1.0	RC 56-62	Cr21-35 - C4.5-7.5 Mn* Ni*	Substit for High abrasion Middle impact	1. Slitting screen 2. Ball mill liner 3. Chute & hopper liner
GT 60/70 1700HV0.05 1200HV0.1 1000HV1.0	RC61-65	Cr23-35 - C4.4-7.5 Mn* Ni*	Substit for Severe abrasion Middle impact	1. Chute & hopper liners 2. Bucket wheel resistance 3. Slitting screen	
Premium GT 80/20	1430HV0.05 1000 HV0.1 900 HV1.0	RC 56-65	As request	No welding bead, smooth surface, effectively reduce fluid adhesion to enhance flow characteristics of sticky ore	1. Wear flow and strong adhesion area 2. Bucket 3. Sluice 4. Hopper
GT100	1430HV0.05 1000 HV0.1 900 HV1.0	RC 58-65	Cr20-28% - C4-6% Mn* Ni* W* V* Nb* Ti*	Substit for High abrasion Middle impact High temperature 800°C max	1. Slitting machine hopper 2. High temperature pipes and flange 3. Sluice & Slitting liners

ADDITIONAL IMAGES



Product Overview

High-Performance Wear Protection

This bimetallic chromium carbide overlay plate is engineered for superior resistance against high abrasion and medium impact in demanding industrial environments. Utilizing advanced hardfacing technology, the plate features a microstructure of primary M7C3 carbides within a stable eutectic matrix to ensure extended service life. It is an ideal solution for protecting heavy-duty equipment in mining, cement, steel, and material handling sectors.

Technical Specifications

Typical Hardness Range	630 HV
ASTM G65-Procedure A-04 Mass Loss	0.12 g
Carbon Content (C)	3.5 %
Chromium Content (Cr)	21 %

Physical Properties

Standard Dimensions	1400mm x 2900mm
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Performance Ratings

Key Performance Metrics

100 High

Abrasion Resistance

50 Medium

Impact Resistance

Fabrication

Cutting Method

Plasma

Application Areas

Typical Use Cases

- Chute Liners
- Slurry Pipes & Bends
- Ducts
- Grizzly Bars
- Discharge Funnels
- Mine Car Liners
- Crusher Main Frame Liners
- Sugar Harvesting Equipment
- Hoppers
- Fan Blades & Housing