

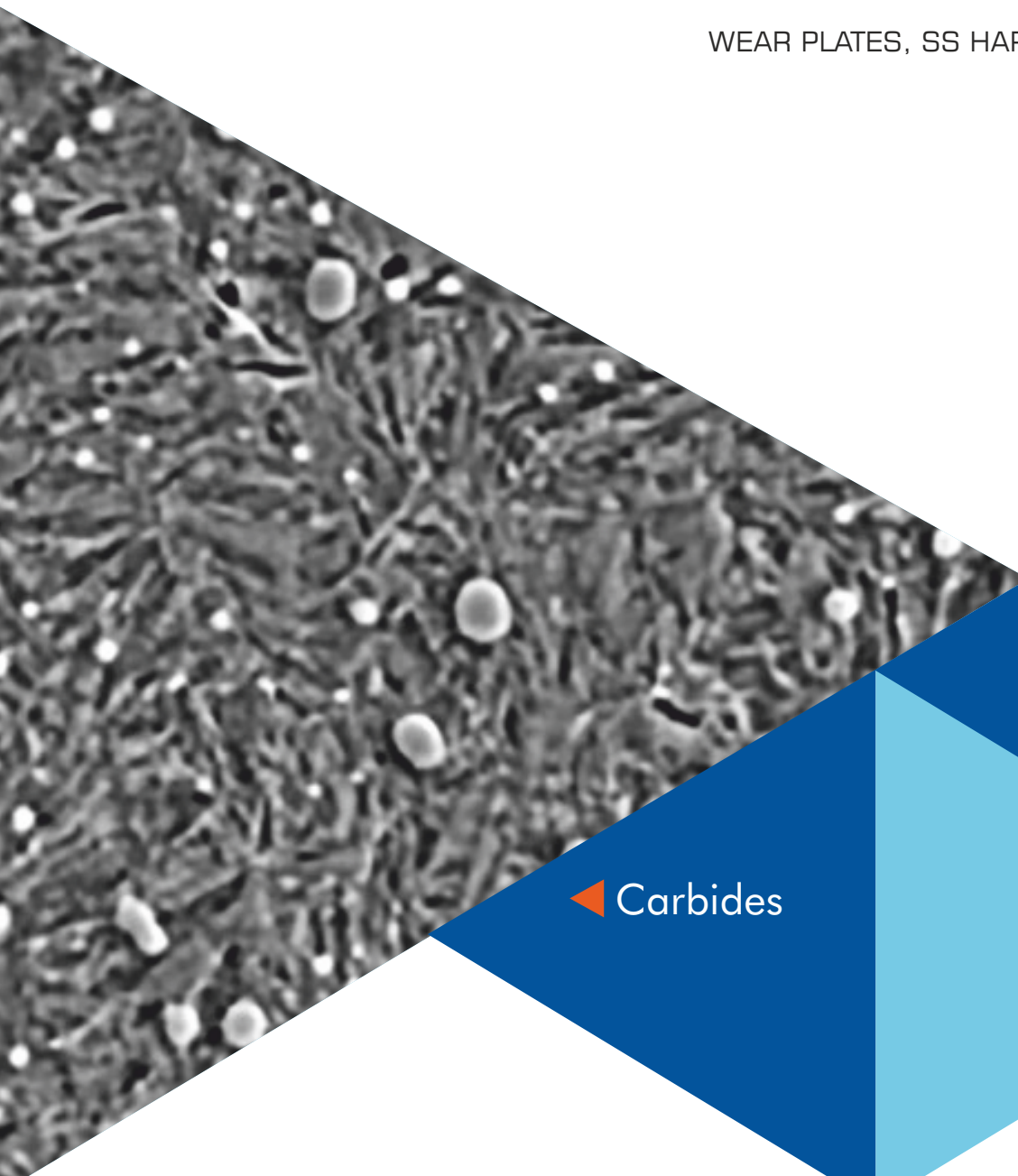
WearPac

"Protected tools gives best finished product"



Wearpac

WEAR PLATES, SS HARD FACED LINERS & TILES



◀ Carbides

Fusion Powder
Welding Process

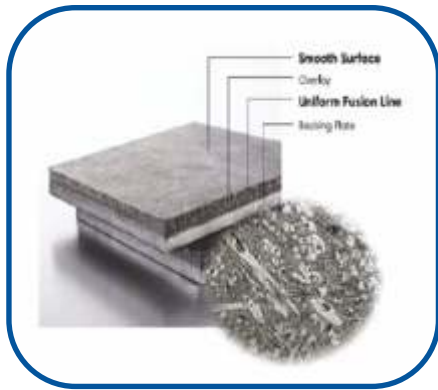


Wear & tear resistant **WEARPLATES** or **Steel liners** are used in many applications where friction between two parts or materials creates degradation. **WEARPLATES** is commonly a type of abrasion / Impact & Corrosion resistant steel plate hard faced by high hardness minerals & coating (by uniform weld bead (build- up) by special solid wire welding technique) that is considered extremely durable, especially under harsh conditions.

Sections of hardened steel plates of various thicknesses (as desired) which are welded (or bolted) in areas of severe wear, such as the insides of feeders, crushers, transfer chutes, or any other area where mined material passes, creating abrasion & corrosion depending upon type of material & medium passes, and threatens wearing of these areas.

Segment majorly needs these products for various applications are

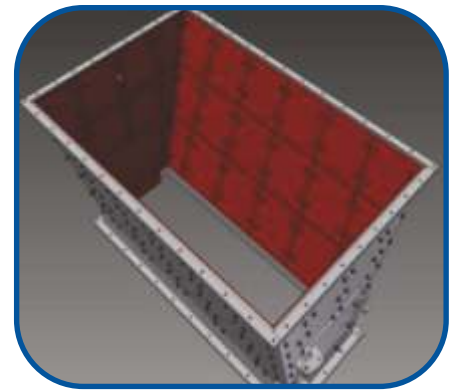
- CEMENT
- MINING
- STEEL
- POWER PLANTS
- CHEMICAL PLANTS
- FERTILIZERS UNITS.



WEAR PLATE STRUCTURE



MINING



HOPPERS



HEAVY ENGINEERING & POWER



STEEL INDUSTRY



MINING & CEMENT



**BASIC
FEATURES
OF POWDER
FUSION
WELDING
PROCESS**

1. Minimum dilution with base metal.
2. Minimum penetration with base metal from 0.5 mm to 1 mm
3. Uniform distribution of carbides throughout the thickness, of deposit from fusion line to the top surface.
4. Uniform hardness throughout the thickness
5. Selection of different alloys to suit different industrial Applications
6. Uniform thickness of weld deposit throughout the surface area.

WEAR PLATE GRADES

GRADE	ALLOY BASE	HARDNESS	WORKING TEMP.
WP - ECO	C, Mn, Cr, Si	50-55 Rc	Up to 100
WP - STD	C, Mn, Cr, Si	55-60 Rc	Up to 100
WP - 001	C, Mn, Cr, Si	58-62 Rc	Up to 300
WP - 005	C, Mn, Mo, Si, Cr, B	58-62 Rc	Up to 350
WP - 010	C, Mn, Mo, Si, Cr, B	58-62 Rc	Up to 400
WP - 014	C, Mn, Mo, Si, Cr, B, Nb	58-62 Rc	Up to 450
WP - 019	C, Mn, Mo, Si, Cr, B	60-65 Rc	Up to 650
WP - 023	C, Mn, Mo, Si, Cr, B, Nb, W, V	60-65 Rc	Up to 650

**MICRO
STRUCTURE
OF
WEAR
PLATES**

WP - ECO	Chromium carbides in dendritic matrix
WP - STD	Inter dendritic chromium in an austenitic matrix
WP - 001	chromium carbides in austenitic matrix
WP - 005	Primary chromium carbides in austenitic matrix
WP - 010	Eutectic chromium carbides in austenitic matrix
WP - 014	Complex Chromium carbides in austenitic matrix
WP - 019	Complex carbides in baride
WP - 023	Austenitic matrix with complex carbides of different types of chromium rich hexagonal primary carbides, M7C3 eutectic carbides and nodular niobium carbies

STANDARD PLATE SIZES

1250 x 2500 mm.
1500 x 3150 mm

DEPOSIT SIZE

1150 x 2400 mm.
1400 x 3000 mm.

Deposit Thickness

3 mm | 4 mm | 5 mm | 6 mm | 7 mm | 8 mm

Base Plate Thickness

5 mm | 6 mm | 5 mm | 8 mm | 10 mmm & So on

**STANDARD
PLATE
SIZES**

CEMENT MANUFACTURING

Screw Feeders and Troughs
Pipe work Reducers and Elbows
Cyclones
Fan Casings, Liners & Blades
MS Liners
Chute and Hopper Liners
Clinker Cooler pan Liners
Detector Plates
Truck Bed Liners
Dozer Blade Liners
Earth Moving Bucket Liners

COAL PREPARATION

Transfer Chutes
Loading & Unloading Chutes
Bin Liners i.e. Surge, Hopper,
Reject MI Skirt Liners
Delactor Liners
Flop Gate Liners
Washer Pipework
Plough Blades Reclaimer Liners
Spools
Crusher Liners
Train Loading & Unloading
Chute Liner
Vibratory Feeder Liners
Screen plates
Spiral Chutes Reducers and Bends

ORE PROCESSING

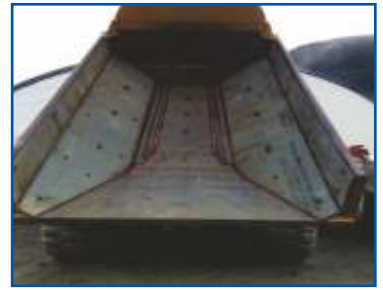
Transfer Chutes
Skirt Liners
Deflector Liners
Vibratory Feeder Liners
Train Loading & Unloading Chute Liners
Flop Gate Liners
Plough Blades
Crusher Liners
Washer Pipework, Spools, Reducers & Bends
Screen Plates

STEEL PLANTS

Chutes
Screens
Bunkers
Blast Furnace Bells
De-brushing Pipeline
Throat Armour Plates
Distribution Chutes
Pipelines
Funnels

THERMAL POWER PLANTS

I.D.Fan
P.A.Fan
Coal MI Wear Plates (Detection)
Coal Feeders
Scrapper Blades
Ceal MI Cones
Coal MI Bends
Coal MI Rings



Customers Served :



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