



- **Bi-Metallic Wear Resistant Plates**
- **Cement Mill Roller Profiling Jobwork**
- **Low Heat Input Welding Electrodes**
- **Custom Fabricated Welding Services & Jobworks**

KUZEAL WEAR TECHNOLOGIES PVT. LTD

KUZEAL WEAR TECHNOLOGIES PVT. LTD is a Pune based company producing wear resistant bi-metallic plates under the brand **KUZEAL**. The focus of the Company is to produce fine quality overlay wear plates, providing innovative solutions to our customers & continual research towards better long lasting alloy clad products to prevent abrasion, erosion & corrosion in dry, wet & hot environment. The aim of the company is to decrease the equipment downtime & ownership costs thus by increasing the performance & profitability of our clients. With our most advanced technology & modern CNC machines, we are able to maintain the highest standards of quality, durability & services. We feel proud to address all the customers their needs in a most appropriate, timely & economical manner.

Any Wear, Anywhere, KUZEAL Antiwear Solutions

KUZEAL WP 55

Alloy Base : Carbon, Chromium, Manganese

Description : **KUZEAL WP 55** is a wear resistant composite hard facing Plate where high abrasion & moderate impact resistance is required.

| Properties | |
|------------------|-------------|
| Hardness | 56 - 58 HRC |
| Abrasion | High |
| Impact | Moderate |
| Erosion | - |
| Temp. Resistance | - |

Applications : Blow Bars, Bucket Walls, Grizzly Bars.



KUZEAL WP 60

Alloy Base : C, Cr, Mn, Nb

Description : **KUZEAL WP 60** is a wear resistant composite hard facing Plate where high abrasion & moderate impact resistance combined with temperature upto 500°C is required.

| Properties | |
|------------------|-------------|
| Hardness | 60 - 62 HRC |
| Abrasion | High |
| Impact | Moderate |
| Erosion | - |
| Temp. Resistance | Upto 500°C |

Applications : Chutes for mines, Crushers and high Temperature applications in Coal & Cements etc.

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KUZEAL WP 63

Alloy Base : Carbon, Chromium, Manganese, Boron

Description : **KUZEAL WP 63** is a wear resistant composite hard facing Plate where high abrasion combined with moderate impact & erosion with temperature resistance upto 500°C.

| Properties | |
|------------------|-------------|
| Hardness | 61 - 63 HRC |
| Abrasion | High |
| Impact | Moderate |
| Erosion | Moderate |
| Temp. Resistance | Upto 500°C |

Applications : Pipes for Cement, Dust & Ash handling eqpts
Hopper liners, Fan blades, Feed pipes, Screw conveyors,



KUZEAL WP 65

Alloy Base : C, Cr, Mn, Nb, Mo, W, V

Description : **KUZEAL WP 65** is a wear resistant composite hard facing Plate developed for extreme abrasion, moderate impact combined with scratching resistance with temperature upto 700°C.

| Properties | |
|------------------|-------------|
| Hardness | 62 - 65 HRC |
| Abrasion | Excellent |
| Impact | Moderate |
| Scratching | Moderate- |
| Temp. Resistance | Upto 700°C |

Applications :
ID Fans, hot screens, Hot gas exhaust, bells and hoppers, dust exhaust, blast furnace hoppers etc.



Any Wear, Anywhere, KUZEAL Antiwear Solutions

| Size Selection (mm) | | |
|----------------------------|----------------|--------------|
| Base | Overlay | Total |
| 05 | 03 | 08 |
| 06 | 04 | 10 |
| 08 | 04 / 06 | 12 / 14 |
| 10 | 04 / 06 / 08 | 14 / 16 / 18 |
| 12 | 04 / 06 / 08 | 16 / 18 / 20 |
| 14 | 04 / 06 / 08 | 18 / 20 / 22 |
| 16 | 04 / 06 / 08 | 20 / 22 / 24 |

| Minimum Bending Dia (mm) | | |
|---------------------------------|---------------|----------------|
| Thickness | Inside | Outside |
| 5 + 3 | 600 | 1200 |
| 5 + 4 | 400 | 1000 |
| 6 + 6 | 500 | 1200 |
| 8 + 3 / 4 | 200 | 800 |
| 6 + 4 / 6 | 400 | 1200 |
| 10 / 12 + 3 / 4 | 400 | 1200 |
| 10 / 12 + 5 / 6 | 600 | 1500 |

Applications

Cement Industry

- 01) Cyclones & Impellers, Mill Liners,
- 02) Grizzly Bars, Deflector Blades
- 03) Primary Crusher Liners.
- 04) Secondary Crusher Liners.
- 05) Air Separator Liners.
- 06) Elbow, Chutes, Reducers & Ducts.
- 07) Clinker Hopper Liners.
- 08) Guide Vanes & Liners.
- 09) Raw Mill Slurry Pipes & Chutes.
- 10) Clinker Cooler Pan Liners.

Mining Industry

- 01) Raw Coal Bunker Liners.
- 02) Spiral Chutes, Dumper Body,
- 03) Excavator Bucket Liners.
- 04) Mining Machineries.
- 05) Weigh Feeder Liners.
- 06) Dozer Parts, Feeder Trays,
- 07) Transfer Chutes.
- 08) Separating Bath Chute Liners.
- 09) Skirt Plates.
- 10) Deflector Plates.

Power Plant

- 01) Ash Hopper Liners.
- 02) I. D. Fan, P. A. Fan.
- 03) Screw Conveyor, Inner Cones.
- 04) Coal Crusher Liners.
- 05) Pulverizer Classifier Cones.
- 06) Coal Mill Wear Plates (Detectors).
- 07) Housing Liners.
- 08) Transition Piece.
- 09) Handling Crusher Liners.
- 10) Burner Tips.

Steel Industry

- 01) Vibratory Feeder Liners.
- 02) Raw Mill Slurry Pipes & Chutes.
- 03) Iron Ore Inlet Cones.
- 04) Distribution Chutes.
- 05) Ash Hopper Liners, Funnels.
- 06) Feed Drum & Fan Blades.
- 07) BLT Chutes, Louver Plates.
- 08) Elbow, Chutes, Reducers & Ducts.
- 09) Screen for Sinter Plants.
- 10) Flap Gate Liners.

Any Wear, Anywhere, KUZEAL Antiwear Solutions

"CFWS" Custom Fabricated Welding Services

KUZEAL WEAR TECHNOLOGIES PVT. LTD. has started the "CFWS" division to cater the custom fabricated welding services by producing wear plate fabricated equipment & other welding job work. KUZEAL is dedicated to continual process & progress in improvement with an in-house custom fabrication & welding services. KUZEAL has fully equipped workshop with latest CNC controlled Wear Plate cladding machine & fully automatic CNC controlled Roller Profiling machine for on-site Job works with a team of experts to cater the Jobs in cement & steels.

Our team of engineers & trained welders can meet the highest quality standards to meet the challenges that will supply you with quality jobs consistently.

KUZEAL OFFERS -

- 01) Chromium & Tungsten Carbide Hard Facing.
- 02) Alloy Hard Facing.
- 03) Repair of Earth Moving Equipments & Bucket Hard Facing.
- 04) General Fabrication of equipments as per drawing.
- 05) Customised fabricated wear plates, any equipment fabricated in wear plates as per customer requirement
- 06) Trash Plate Hard Facing in Sugar Industry.
- 07) Re-conditioning of Sugar Mill Anvil Plates.
- 08) Wear protection for TRPF rollers in Sugar Industry.

Hard Facing is a low cost method of depositing wear resistant material on metal components to extend service life. Although used primarily to restore worn parts to usable condition, hard facing is also applied to new components before being placed into service.

Benifits of Hard Facing -

- 01) Increase the durability of the equipment.
- 02) Save money & time in replacing worn out parts often.
- 03) Protect expensive attachments.
- 04) Tungsten carbide is nearly 200% stronger than steel.
- 05) Extends life of new & worn components.
- 06) Operating efficiency is increased by reducing downtime.

The Product You Need, The Service You Deserve





Where Passion Meets Technology



KUZEAL WEAR TECHNOLOGIES PVT. LTD

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