State of the Art Plant

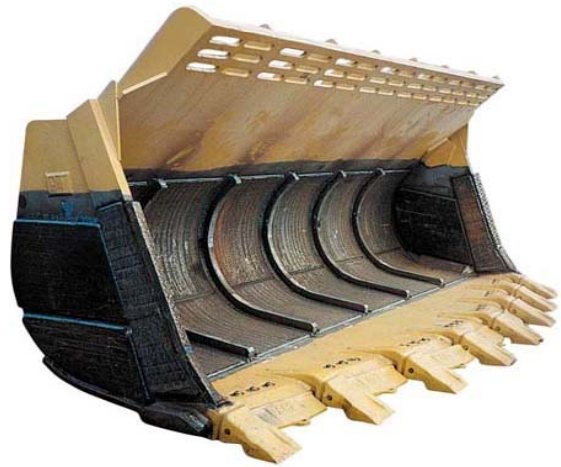
Cladded Wear Plates – Range Ready Reckoner….

	Typical Application Condition	Hardness Range	Temp Resi	Carbides
STANPLATE 55	Abrasion / Mild Impact	56-58 HRc	250^0C	Cr-C
STANPLATE 56	Severe Abrasion / Mild Impact	60-63 HRc	250^0C	Cr- C
STANPLATE 70	Severe Abrasion& Erosion / Mild Impact	56-59 HRc	600^0C	Complex carbides
STAN-E-PLATE 55	Abrasion / Mild Impact	56- 58 HRc	250^0C	Cr-C
STAN-E-PLATE 56	Severe Abrasion / Mild Impact	60-63 HRc	250^0C	Cr- C

STANPLATE 55

Product Descriptions :

An innovative designed Stanplate series of cladded plate offering resistance to abrasion for moderate wear conditions. The microstructure achieved offers desired hardness as required for industrial abrasive and erosive applications.



Outstanding Features :

1) Counter applications existing in abrasive industrial environments.
2) Ideal solution for earthmoving equipment applications.
3) Controlled condition manufacturing ensures optimum chemistry.
4) Ideal carbide orientation gives maximum component life enhancement.

Typical Applications :

Loader buckets, shovel buckets, dozer blades and linings, chutes, hoppers, bins, bunkers, casing lining, fan blades and other applications.

Standard Plate Size :

1500 mm x 1250 mm, 3000 mm x 1250 mm

Standard Thickness :

6+4, 8+4, 10+4, 16+4, 20+4, 25+4. Special thickness of 5+3, 4+2 plate (It will be availabe on non standard size). Weld overlay on standard plates will vary as per requirements.

Usage of Plates :

In addition to usage as standard plates, cutting, rolling, bending and fabrication can also be done as per specific requirements.

Typical Hardness : 56- 59 HRc

STANPLATE 56

Product Descriptions :

Using State-of-the-Art automated process & cladding under extremely controlled conditions, microstructure achieved is tough and also renders an optimum blend with formed carbides, resulting in supreme wear resistance.

Outstanding Features :

1) Suitable for controlling severe abrasive wear with mild impact.
2) Optimum metallurgy ensures carbides in tough hyper eutectic matrix.
3) Single plate to suit applications involving both abrasion & impact.

Typical Applications :

Apron feeders, grit cones, cyclones, roller guards, static collars, housings, transfer chutes, chain conveyors, wheel loaders and fan blades etc.

Standard Plate Size :

1500 mm x 1250 mm, 3000 mm x 1250 mm

Standard Thickness :

6+4, 8+4, 10+4, 16+4, 20+4, 25+4. Special thickness of 5+3, 4+2 plate (It will be availabe on non standard size). Weld overlay on standard plates will vary as per requirements.

Usage of Plates :

In addition to usage as standard plates, cutting, rolling, bending and fabrication can also be done as per specific requirements

Typical Hardness : 58- 62 HRc

STANPLATE 70

Product Descriptions :

Exclusive alloying formulation offering excellent protection to industrial components against severe abrasion including impact, corrosion and heat.

Outstanding Features :

1) Resistance to severe abrasion, erosion & impact.
2) Special formulation facilitates working in temperature till 650°.
3) Versatile in use and can be used for major industrial applications.

Typical Applications :

Louvers, cyclones, guidevanes, nozzle ring segments, impellers, chutes, microfeeders.

Standard Plate Size :

1500 mm x 1250 mm, 3000 mm x 1250 mm

Standard Thickness :

6+4, 8+4, 10+4, 16+4, 20+4, 25+4. Special thickness of 5+3, 4+2 plate (It will be availabe on non standard size). Weld overlay on standard plates will vary as per requirements.

Usage of Plates :

In addition to usage as standard plates, cutting, rolling, bending and fabrication can also be done as per specific requirements

Typical Hardness : 57- 59 HRc

Cladded Wear Plate Components That We Can Offer : I

I. Cement Sector

- ★ Mill Body liners and Separator Blades.
- ★ Classifiers.
- ★ Guide vanes.
- ★ Feed Chutes/pipes.
- ★ Bell Housing.
- ★ Nozzle Ring.
- ★ Louvers.
- ★ Cyclone Separators.
- ★ Chik Plates.
- ★ Cones.
- ★ Scrappers.
- ★ ID and different type of fans (complete refurbishment)

Cladded Wear Plate Components That We Can Offer : II

I. Cement Sector-II

- ★ Bucket elevators.
- ★ Discharge Chutes.
- ★ Y and V pipes.
- ★ Elbows and Bends.
- ★ Dust Collector
- ★ ESP Ducting.
- ★ Silos and Hoppers.
- ★ Spoon Feeding Chute for Pipe Conveyer.
- ★ Internally Hard Face pipe.. (we can supply minimum 100 NB or above)
- ★ Different size and configuration of CLADDED PLATES : **STAN TILES.**

Cladded Wear Plate Components That We Can Offer : III

II. Power Sector:

- ★ Inlet and Discharge Chutes.
- ★ Hoppers.
- ★ Lining of Wagon Tippler.
- ★ Pipe Bends.(90 degree etc)
- ★ Coal Feed Pipe and Chutes.
- ★ Screen Plates and breaker plates.
- ★ Mill Body liners.
- ★ Journal Housing Lining and doors.
- ★ Inner Cone.
- ★ Separator Body Liners.
- ★ Mill Scrappers.

Cladded Wear Plate Components That We Can Offer : IV

II. Power Sector-II:

- ★ Venturi
- ★ Air Duct. (normal as well as hot).
- ★ Flue gas Duct.
- ★ ESP's.
- ★ Burner Tip and Nozzle.
- ★ Guide Vanes.
- ★ Fan blades.
- ★ Ash Discharge pipes.
- ★ Bottom Ash feeder side plates.
- ★ Kick of Plate & Breaker Plate for CHP.
- ★ Baffle Plates.

Cladded Wear Plate Components That We Can Offer : V

III. Steel Plants

- ★ Inlet and Discharge Chutes.
- ★ Flap Gates (also there in other industries).
- ★ Flux charging chutes.
- ★ ESP Ducts/Liners.
- ★ Sinter screens.
- ★ Screw Feeder (also there in Cement).
- ★ Hot and Cold Screen.
- ★ Vibro Feeders.
- ★ Skip Cars of B/F.
- ★ Aprons.
- ★ Movable Throat Armour Plate of B/F.
- ★ Liners of BLT Chutes.