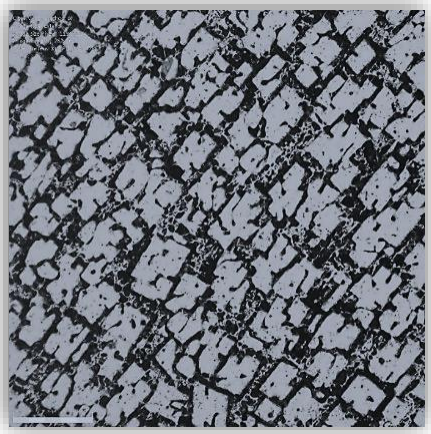
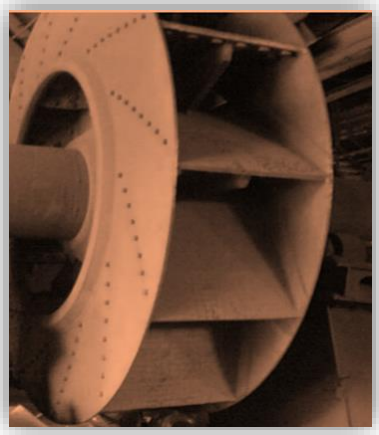


Densly packed hard phases



Fan blades in core industries

Wear Plate for Severe Erosive Wear

Description:
EDP 700 is an iron-based surfacing alloy system containing ultrahard constituents to withstand severe erosive wear. Service temperature of this alloy is restricted to 300 °C.

Typical Applications:
Exhauster fan blades, Guide vanes, Louver plates, ID fans, Classifiers, Separators, etc.

Unique Features:

- High volume fraction of ultra-hard carbides in a tough matrix.
- High hardness (> 65 HRc).
- Excellent resistance to fine particle erosion at low angles.
- Combination of erosion and abrasion resistance.

Technical Properties:

• Bulk hardness	65 – 68 HRc
• Micro-hardness	
- Carbides	1150 – 1550 Hv
- Matrix	600 – 750 Hv
• Volume fraction of carbides	35 %
• Abrasive wear factor	60 - 70%
• Erosion resistance	1.5 times superior that of Fe-Cr-C

Wear Plate Dimension:

- Base plate dimension : 1500 x 3000 x 6 mm
- Cladding dimension : 1220 x 2740 x 4 mm
- Weld bead pattern : Straight

In addition to standard plates, specific shape & size of the plate can be cut and fabricated as per requirement.

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