

ECI MAXI®

Is the super extreme in wear resistant wear plate and is designed for applications that experience severe abrasion, where standard wear plate is ineffective. **ECI MAXI®** is available in a range of thickness between 5mm -15mm.

BASE MATERIAL

is the super extreme in wear resistant wear plate and is designed for applications that experience severe abrasion, where standard wear plate is ineffective. **ECI MAXI®** is available in a range of thickness between 5mm -15mm

OVERLAY MATERIAL

The **ECI MAXI®** overlay consists of Tungsten Carbide granules are spread through a tough matrix of Ni, Si, B.

SPECIFICATION

ECI MAXI® overlay has been manufactured to ensure compliance with the microstructure, chemistry, hardness and dry abrasion test values for specific customer requirements.

TYPICAL PROPERTIES

Bulk Hardness:	>700 HV30 (>58 HRC)
Carbide Micro Hardness:	>1900 HV _{0.1}
Volume fraction Carbides/Hard phase:	>60%

WELDING

When **ECI MAXI®** applied to mild steel, weld the base material with standard low hydrogen welding consumables. (Avoid contact with overlay material)

CUTTING, FORMING & FABRICATION

Where required plasma cutting is the recommended method for cutting **ECI MAXI®**. The mild steel backing plate provides **ECI MAXI®** with structural integrity, thus allowing entire structures to be fabricated from **ECI MAXI®**.



Technical Data Sheet available upon request

BENEFITS

- Can be applied to shapes.
- Minimal penetration to achieve metallurgical bond.
- Welding of plates into position is made easy due to mild steel base.
- Proven performance against Q&T Steels
- Readily formed into almost any shape

APPLICATIONS

Applications involving severe sliding abrasion and medium impact, such as:

- Chutes
- Ground Engaging Tools
- Mixer Paddles
- Ore Handling Systems
- Drilling Parts
- Shell Protection
- Liner Plates
- Extruders