

MillCarb™

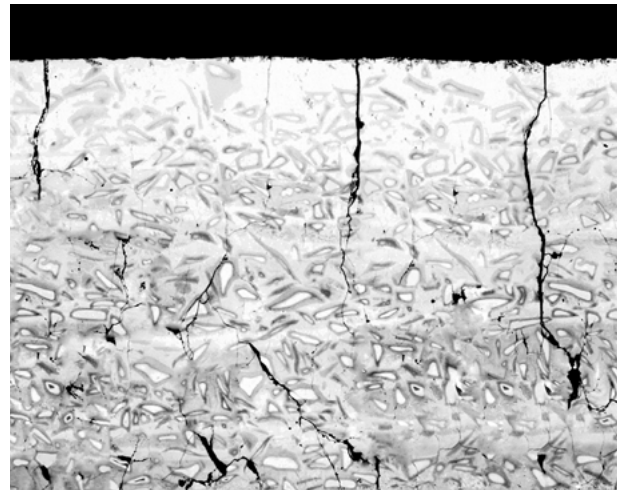
For Welding Professionals



A ground-breaking wear solution for vertical mills

Our MillCarb™ hardfacing solution provides advanced wear protection for grinding components used in the cement and coal fired power industry. It significantly improves the service life of parts and increases resistance to extreme abrasion, rivalling even the advanced wear properties of industrial ceramics.

MillCarb™ is a fully repairable welded ceramic composite metal matrix alloy. An innovative engineered wear protection solution for mill grinding components, developed to ensure optimum performance when needed most.



Features

- Available in single and multi-layer welding of up to 15mm thickness
- Fully repairable and re-weldable
- Welded ceramic metal matrix composite
- Uniform distribution of the ceramic carbide particles
- Applied in high-wear areas or as an overall layer

Benefits

- Superior wear resistance
- Reduced total cost of ownership (TCO)
- Proven to outperform competing solutions
- Easy to refurbish previously welded components
- Optimised process ensuring 100% repeatability
- Special base materials are not required
- Can be applied to Chrome Iron, Ni-Hard and Carbon Steel components alike

Why choose this solution?

- Developed in collaboration with industry leading mill OEMs and experts in material science
- Significant increase in service life
- Uniform wear rate
- Over 50 years of experience
- Continuous solution development



Improved Performance

The wear rate of MillCarb™ in a real-time coal grinding environment compared to other industry leading products, clearly distinguishes itself from the competition. At a throughput of 300,000 tons,

MillCarb™ showed the same wear levels as ceramic embedded rollers experienced at only 190,000 tons in a very abrasive coal grinding environment.



Competitor product after 18000hrs grinding



MillCarb™ after 19000hrs grinding

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