

9 Metric Tons of CeramAlloy CBX Repairs & Protects Barrel Reclaimer at Australian Steel Mill



This barrel reclaimer is a large mixing drum (5 m diameter and over 30 m long) that collects iron ore and other raw materials used in the steel making process.

The barrel continuously rotates and picks up the raw materials using bucket attachments. A conveyor belt runs through the middle of the reclaimer to transfer the mixture to the next stage of the process.

The abrasive material the barrel picks up wears away the steel inside the barrel which creates structural issues.

Proactive maintenance engineers at the mill sought out the best performing abrasion resistant material to prolong the life of the barrel.

A trial plate coated with METALCLAD CeramAlloy CBX was installed inside the barrel. After 18 months the trial plate was inspected and it was clear that CBX was the **absolute best abrasion resistant product the mill had ever tested.**

Nine metric tons of CBX (450 x 20 kg units - almost 20,000 lbs) were carefully applied at a thickness of 4 mm by the ENECON Australia Team at a total project cost over \$700,000 USD.



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