

DYNO MILL WEAR RING REPAIR

ID: 9954



PROBLEM

The internal diameter of a 40" Dyno Mill wear ring exhibited significant wear and erosion in multiple sections. The high abrasion environment within the mill caused degradation, compromising performance and longevity. A long-term, abrasion-resistant solution was required to restore integrity and extend service life.

APPLICATION SITUATION

Application only took 2 days to complete saving time and money.

Total Cost: \$6,383.00 (Materials & Labor)

Estimated Savings: \$20,000 per maintenance cycle avoided

APPLICATION METHOD

AAS proposed a full Belzona rebuild and protective liner installation: Surface preparation was completed via abrasive blasting.

Damaged/worn areas were repaired and rebuilt using Belzona 1311 (Ceramic R-Metal) to restore original geometry.

Once cured, the entire wear ring ID was overlaid with Belzona 9811/1812 alumina ceramic hex tile system for maximum abrasion protection.

Final inspection and demobilization followed after cure and QA.

BELZONA FACTS

Customer is saving approximately \$20,000 every 2 years by avoiding traditional chrome lining.

INDUSTRY

Chemical & Petrochemical

LOCATION

St Gabriel

APPLICATION DATE

August 2025

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1812 (Ceramic Carbide FP)

Belzona 9811

SUBSTRATE

Stainless-steel

PHOTOS

1. Before Application
2. Applying Belzona 9811 alumina tiles
3. Belzona 1812 Grout
4. Finished application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

