



UNITED
REFRACTORIES CO.



DELIVERS

OVER 40 YEARS OF PERFORMANCE DESIGNED SOLUTIONS

APPLICATION: **ALUMINUM**

LOCATION: **MIDWEST, USA**

UNI-GUN 85 GP Gunned Plastic

Less Clogging...Less Rebounds...More Production!

BACKGROUND ❖

A major aluminum producer has the following parameters...

- **Furnace:** 155,000 lbs. Charge Well Melter
- **Repair Area:** ... Lower / Upper Sidewalls, hot well and charge well
- **Last Repair:** ... Competitive 80% Al_2O_3 gunned plastic

URC DELIVERED VALUE ❖

- **Product:** **UNI-GUN 85 GP** Gunned Plastic
- **Anchoring:** .. None...roughed surface and sprayed phos-bonded mortar on existing lining
- **Repair Thickness:**5" veneer to 13.5" thick
- **Dryout:** With an accelerated heat-up, successfully dried out within tight repair schedule

URC ❖ ADVANTAGES

Low Rebounds: 15% average

Fast Gun Time: 50 min. for 6000 lbs.

Excellent Adherence & Compaction ... Minimizing laminations and improving performance

Data Sheet Highlights: Al_2O_3 : 80.9%; P_2O_5 : 4.2%;
CCS after 1500° F: 7000 psi

No Clogging in Gooseneck: Enabling the installer greater run time



CAPTIONS – LEFT TO RIGHT

- Aluminum melter lower sidewall repair
- Top ring of round top charge melter repair
- UNI-GUN 85 GP rakes easily into BSM equipment



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SERVICE

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