



RENO REFRACTORIES, INC

RENO BACKFILL 86

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TECHNICAL DATA SHEET

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**Reno Backfill 86** is a high alumina, dry material formulated to be used as fill behind dolomite brick in ladles.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 150 lbs./cu. ft.  
**SINTERING TEMPERATURE:** 700 °F

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	Other
85.5	6.7	1.0	3.1	0.2	0.2	3.3

**THERMAL CONDUCTIVITY, ASTM C-1113, Compacted Material, Mean Temp.:**

500°F - 8.0 (Btu-in/hr-ft<sup>2</sup>-°F)  
1000°F - 8.1 (Btu-in/hr-ft<sup>2</sup>-°F)  
1500°F - 8.1 (Btu-in/hr-ft<sup>2</sup>-°F)  
2000°F - 7.9 (Btu-in/hr-ft<sup>2</sup>-°F)  
2500°F - 7.6 (Btu-in/hr-ft<sup>2</sup>-°F)

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3960 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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