

QuikTurn

EZ Cast

Rescocast

Furnaram

Pacocast

Furnal HS

Furna³ /EZ³

Vibrocast

Lo-Sil Super

Rescal

Rescoset

Kricon

Furnacon


**Refractory
Products
For The
Aluminum
Industry**

AN AMERICAN-OWNED
REFRACTORY COMPANY




Resco has a complete line of refractory solutions for the aluminum producer. The combination of Resco's and National's products and technology has led to new and exciting products. Foremost among these is the Quikturn product line. The Quikturn products allow for rapid installation and dry out of the refractory castables. This saves time, and in today's world time is money.

Subhearth Materials

Zone	Castable	Pumpable and Sprayable
Sub Hearth 	EZ Cast 40-AL Furn-A-Ram Pacocast 28 LI	EZ ³ 2700 Furna ³ 40 QuikTurn 45PC

Subhearth materials for hearth, ramp and lower sidewalls require moderate crushing strength, a thermal conductivity that will maintain the freeze plane within the working lining and an economical price. Some designers also want the subhearth to be non-wetting to aluminum in the case of metal penetration while others want any molten aluminum to react with the subhearth.




Zone	Castable	Pumpable and Sprayable
Insulating Back Up 	RescoCast 3 RescoCast 7 I-R-C 22 I-R-C 24	RescoCast 6 PC RescoCast 3 PC RescoCast 3-35 PC

Insulating Materials

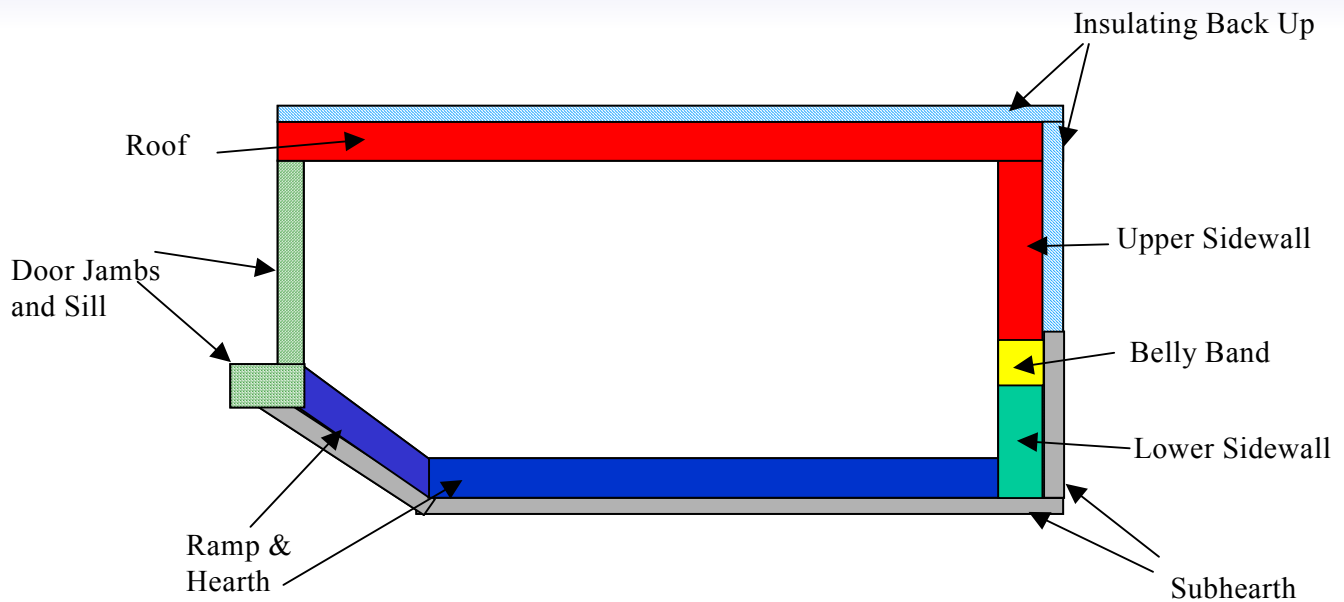
Insulating back up materials for the non-metal contact areas of the upper sidewalls and roof require low thermal conductivity to maximize energy savings, good strengths, and ease of installation.

Metal Contact

The metal contact areas of the furnace are the most critical areas for design of refractories. The ramp, hearth, lower sidewall and bellyband areas each have their unique operating conditions. Selection of refractory is heavily dependent upon the particular operating furnace parameters and a balance between price and performance is required. RESCO has a broad range of both brick and castables to meet each individual requirement.


Zone	Castable	Brick	Mortar	Plastic	Maintenance	Castable, Pumpable, and Sprayable
Ramp and Hearth 	FurnaCon 70Z FurnaCon 70 FurnaCon 60B	Lo-Sil Super Rescal 80 PA Furnal HS Rescal 80 BP	Rescoset 90P Hilo-AL Rescoset 80P Alutab			Furna ³ 65 Furna ³ 70 Z Furna ³ 85 Furna ³ R-MAX QuikTurn 65 PCA
Lower Sidewall 	FurnaCon 70Z FurnaCon 70 FurnaCon 60B	Lo-Sil Super Rescal 80 PA Furnal HS Rescal 80 BP	Rescoset 90P Hilo-AL Rescoset 80P Alutab	Rescoram 85 Mono P- 85 AL	Rescobond 3000A Rescobond 3000AG PhasCast 60 AL	Furna ³ 65 Furna ³ 70 Z Furna ³ 85 Furna ³ R-MAX QuikTurn 65 PCA
Belly Band 	FurnaCon 70Z FurnaCon 70	Lo-Sil Super Rescal 80 PA Furnal HS Rescal 80 BP	Rescoset 90 P Hilo-AL Rescoset 80P Alutab	Rescoram 85 Mono P- 85 AL	Rescobond 3000A Rescobond 3000AG PhasCast 60 AL	Furna ³ 65 Furna ³ 70 Z Furna ³ 85 Furna ³ R-MAX QuikTurn 65 PCA

Aluminum Melting and Holding Furnace




Upper Sidewall and Roof

The non-metal contact areas of the furnace are exposed to higher operating temperatures and corrosive alkali attack. The creep behavior and alkali attack resistance are critical properties.

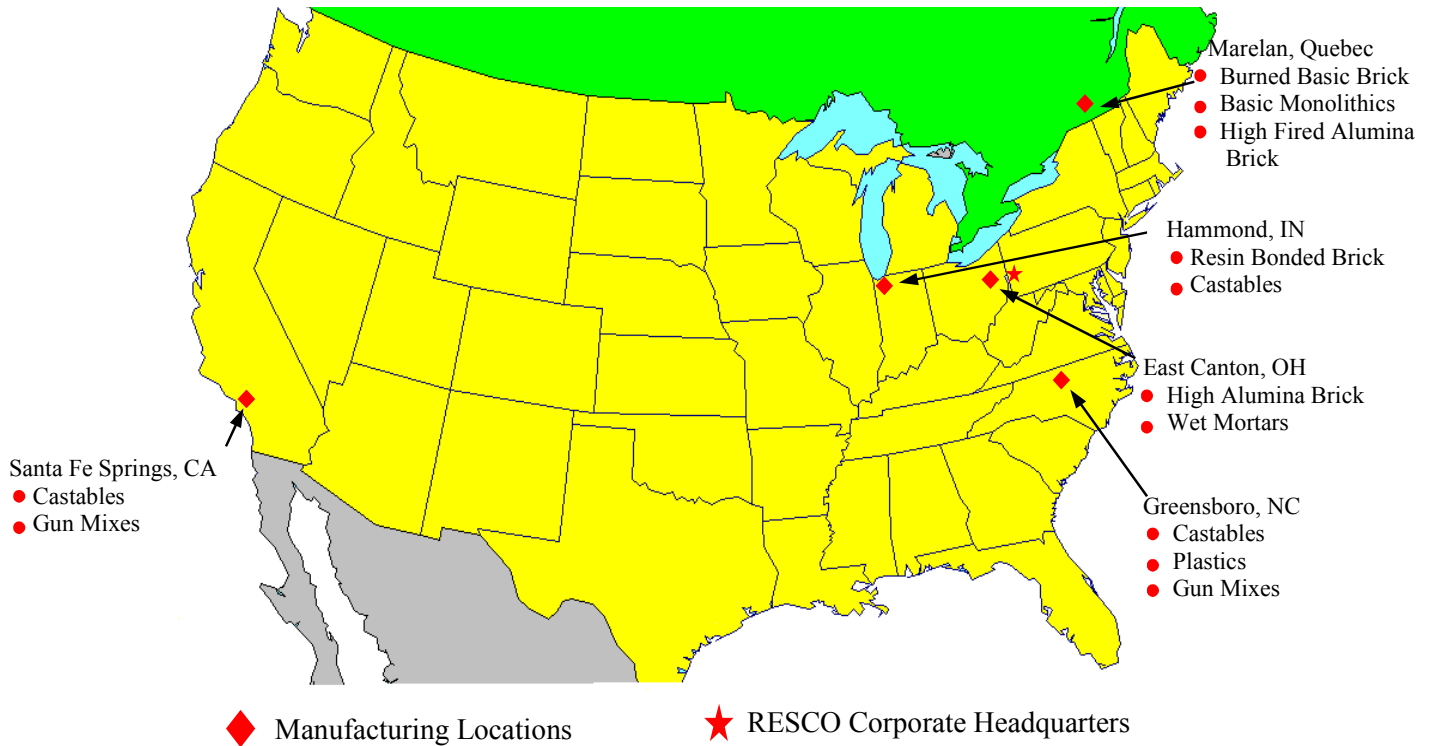
Zone	Castable	Brick	Plastic	Maintenance	Pumpable and Sprayable
Upper Sidewall and Roof 	Vibrocast 60 Kricon 30 EZ Cast 3000	Seneca 60 P Seneca 60	Rescoram 85 Rescoram 70 Blue Mono P- 85 AL	Rescobond 3000G PhasGun 60 QuikTurn 60G	Vibrocast 60 PC EZ ³ 3000 QuikTurn 60PC

Door Jambs and Sills

These areas are exposed to both mechanical abuse and thermal shock. The critical design properties are hot strength, abrasion resistance and thermal shock resistance.

Zone	Castable	Plastic	Maintenance	Pumpable and Sprayable
Door Jambs and Sill 	Vibrocast 56 SC	Rescoram 85 Rescoram 80 SC	QuikTurn 56SCG	EZ ³ 56 SC Furna ³ 85 QuikTurn 56SCPC

Resco Manufacturing Locations



Regional Sales Offices

Pittsburgh, PA

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RESCO for the Long Run

Founded in 1946, Resco has served its markets with specialized products ever since, initially, with the refining industry and later in the steel industry. Innovations have been key to Resco's long success, including AA-22 and the original patent on semi-universal ladle brick.

Recent acquisitions have diversified Resco into many new refractory markets. The addition of National's product lines allows Resco to offer a comprehensive range of products.



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