



**RENO**  
REFRACTORIES, INC.

# NEW REFRACTORY TECHNOLOGY CHANNEL HOLDING FURNACES



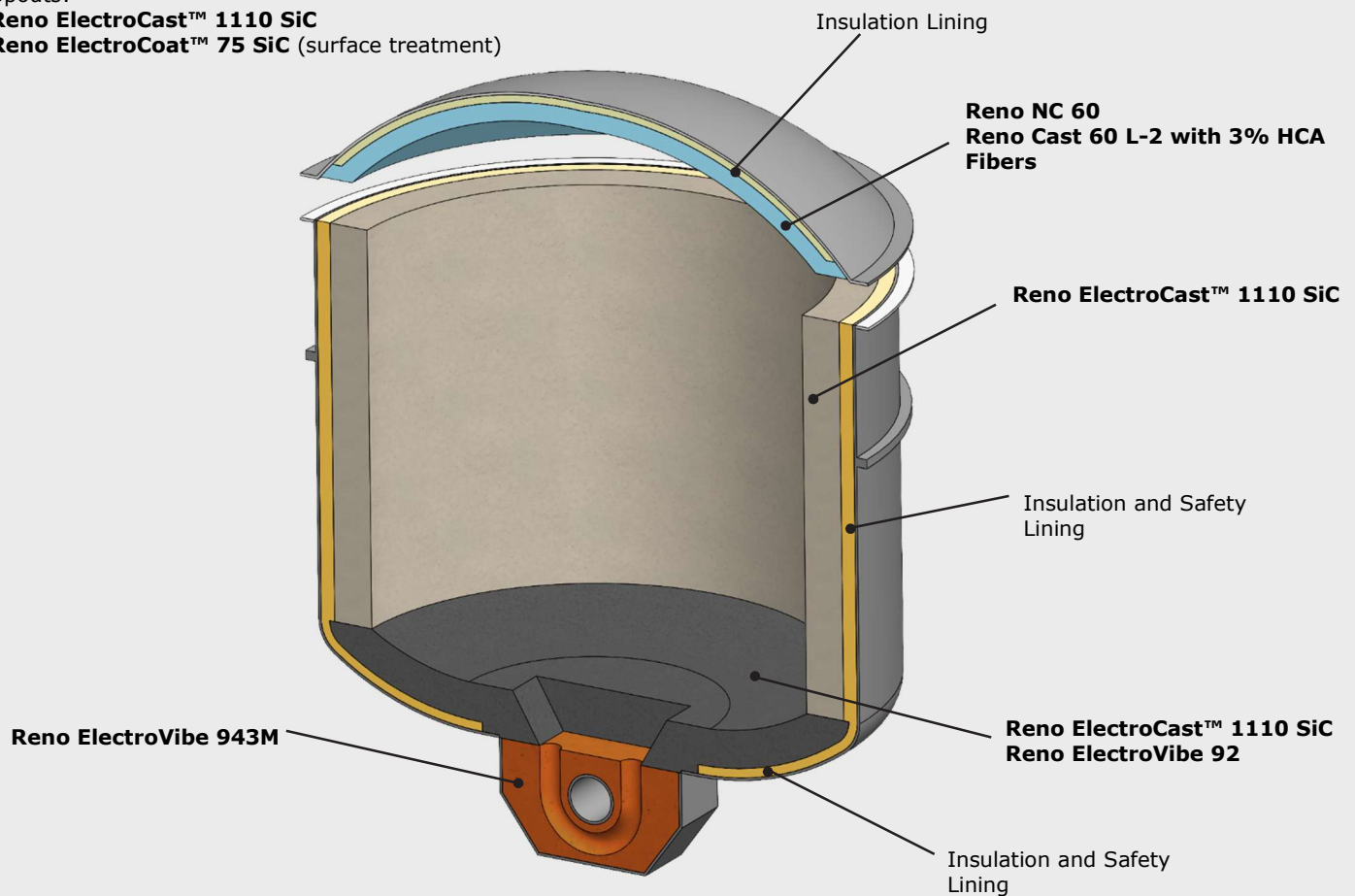
# NEW REFRACTORY TECHNOLOGY

Reno Refractories, Inc. is proud introduce our new refractory technology, **Reno ElectroCast™ 1110 SiC** and **Reno ElectroVibe 92**. When combined, channel holding furnaces will perform longer as well as provide lower turnaround maintenance costs for our valued customers.

Spouts:

**Reno ElectroCast™ 1110 SiC**

**Reno ElectroCoat™ 75 SiC** (surface treatment)



## NEW RENO ELECTROCAST™ TECHNOLOGY

Reno's Electro-Bond Technology provides superior properties:

- Almost Zero Permeability
- Super High Hot Strengths
- Pore Sizes as low as 0.01 micron
- Abrasion Values below 3 CC Loss
- No Alkali or Iron Oxide Penetrations & Easy to Clean
- Impact Resistance
- Molten Slags do not Wet the Structure
- Lasts Longer with High Volume Charging

### Inductor

#### **Reno ElectroVibe 943 M**

Electro-bonding imparts reduced dusting and elevated density. Our alumina-magnesia-spinel, dry vibratable refractory displays non-wetting and resistance to inductor loop buildup behavior.

### Throat and Floor

#### **Reno ElectroVibe 92**

While cleaning, the oxygen lance can damage silicon carbide bearing refractory below metal line. This product contains all pure alumina + a mullite bonding system.

### Insulation and Safety

Floor: ½" Marinite Board, + 3" of 70% Brick  
Throats: ¼" Microtherm Overstitch Panels, folded under the brick work

### Walls

#### Insulation and Safety

**Reno Coat It AL on Steel Walls**, prevents carbon transfer  
4.5" Super Duty Brick, arch type for tight construction  
1.5" BNZ 2600°F IFB for insulation.

#### **Reno MO Super 3 Mortar**

### Hot Face

#### **Reno ElectroCast™ 1110 SiC**

New insulation design reduces energy consumption while providing a true safety liner. The freeze plane is well in front of the brick safety lining.

### Roof

#### Insulation and Anchors Hot Face

85% Phos Anchor Brick + 1" Inch of HD Board

#### **Reno NC 60 with 3% HCA Fibers**

### Spouts

#### Hot Face Surface Treatment

#### **Reno ElectroCast™ 1110 SiC**

#### **Reno ElectroCoat™ 75 SiC**



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***It is the mission of Reno Refractories*** to investigate, develop, communicate and deliver valuable refractory products and services to our customers in North America. We have a responsibility to supply the best value in refractory technology by optimizing the profits and safety of our customers. We take pride in our reputation as a leader in these endeavors.

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