



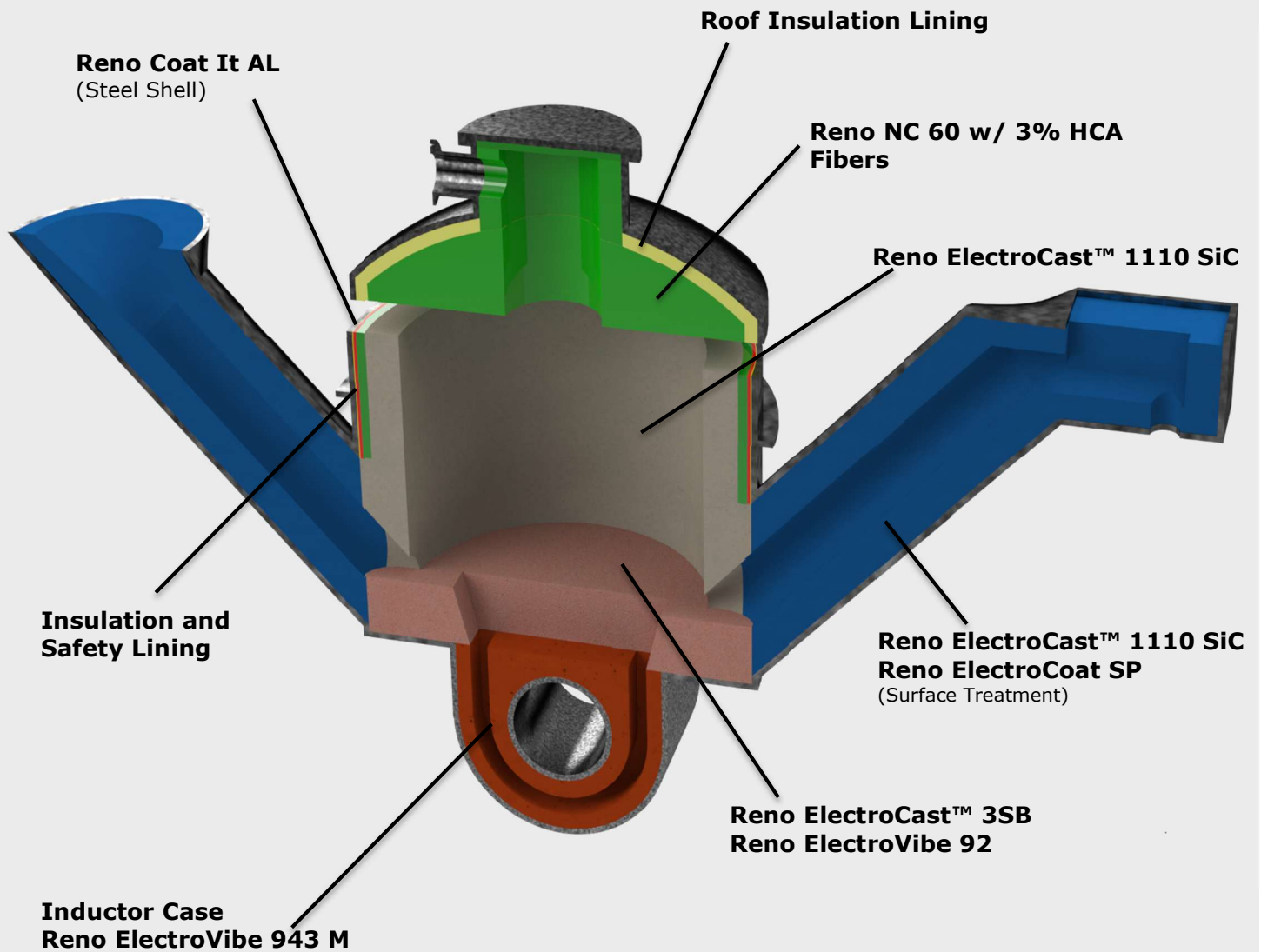
RENO

REFRACTORIES, INC.

**NEW REFRACTORY
TECHNOLOGY
GREY IRON AUTO
POUR FURNACES**

NEW REFRACTORY TECHNOLOGY

Reno Refractories, Inc. is proud to introduce our new refractory technology: "Reno ElectroCast™." When combined with our world-leading no-cement nano-bonded colloidal silica products, Ductile Iron Pressure Pour Furnaces will perform longer and reduce cleaning time which can be used for increased production.



NEW RENO ELECTROCAST™ TECHNOLOGY

All of these new products provide properties that are unmatched, by any other refractory supplier. These are:

- **Almost zero permeability**
- **Super high hot strengths**
- **Pore sizes as low as 0.01 micron**
- **Abrasion values below 3cc loss**
- **No alkali or iron oxide penetrations and easy to clean**
- **Impact resistance**
- **Molten slags do not wet the structure**
- **Lasts longer with high volume charging**

Inductor Case

Reno ElectroVibe 943 M is a high purity fused alumina-based refractory with spinel forming additions. Special additives are used to aid the densification process. High density and a homogeneous microstructure can be obtained with vibration tools.

Throat and Floor

Reno ElectroCast™ 3SB

While cleaning, the oxygen lance can damage silicon carbide bearing refractory below metal line. This product contains zero carbon, for safer conditions and very high densities and extremely low permeability for clean surfaces when in contact with grey iron.

Reno ElectroVibe 92 is a high purity fused alumina-based refractory which provides a very dense and low porosity lining. This new electro technology includes special additives which aid in the product's compaction.

Insulation and Safety

Floor: ½" Marinite Board, + 3" of 70% Brick
Throat: 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 inches of BNZ 2600° F IFB for Insulation

Reno MO Super 3 Mortar

Hot Face

Reno ElectroCast™ 1110 SiC is a fused alumina based castable with silicon carbide additive developed with our proprietary electro chemical bond system for maximum performance. The freeze plane is well in front of the brick safety lining.

Roof

Insulation and Anchors Face

85% Phos Anchor Brick, and ½ Inch Marinite Board
Reno NC 60 with 3% HCA Fibers

Spouts

Hot Face Surface Treatment

Reno ElectroCast™ 1110 SiC
Reno ElectroCoat™ SP



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.