

SEAL-CAST® **ULTRA-LOW** **PERMEABILITY** **REFRACTORY** **COMPOSITES**



- **MATERIAL:**
Silicon Carbide, Fused Silica
Nitride Bonded Silicon Carbide
- **PROPERTIES:**
Ultra Low Permeability
Excellent resistance to abrasion
Excellent resistance to corrosion
Excellent resistance to thermal shock
Can be made to accurate dimensional tolerances
Low expansion coefficient



- **ADVANTAGES:**
SEAL-CAST® composites can provide a solution for many applications in the metal industry where metal penetration, gas permeability, abrasion, corrosion, and or high thermal shock are a problem.

By reducing the gas permeability of traditional refractory pre-cast and fired shapes, the avenues of attack from aluminum, brass, zinc, and other metals that are detrimental to the failure of these refractories are diminished.

Christy can tailor many refractory shapes to meet the demands of molten metal contact.

- **INDUSTRIES SERVED:**

Zinc
Aluminum
Copper
Steel

- **APPLICATIONS:**

Low Pressure Diecasting
Stalk Tubes
Sucker Tubes
Heating Element Immersion Tubes