

FLUX

Pyrotek's flux alliance with IGC Technologies provides the aluminum market with a flux product line and industry application knowledge few can

match. If you are tired of sending high aluminum content dross to your secondary, allow us to work with you to find a flux formulation tailored to your operating environment.

THERMOCOUPLE PROTECTION TUBES, ELEMENTS AND FULL ASSEMBLIES

Pyrotek offers a complete line of thermocouple assemblies, elements and protection tubes for temperature sensing in metal casting, heat-treating and other thermal processes. A more accurate temperature measurement means more efficient energy management and usage.



MACHINED GRAPHITE COMPONENTS

We can provide a wide range of graphite grades, treatments and machining capabilities to meet your metal treatment application requirements. All grades are available with oxidation-retardant treatment for extended product service life. Pyrotek can supply most standard high temperature graphite parts, as well as custom components.



DEGASSING EQUIPMENT AND CONSUMABLES

Pyrotek has a full line of STAR degassing and degassing/flux injection equipment and machined graphite degassing consumables.



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1-866-797-6835

U.S. LOCATIONS

CALIFORNIA, Cerritos
1-562-623-0085

INDIANA, Columbia City
1-260-248-4141

INDIANA, Evansville
1-812-867-6343

NEW YORK, Canastota
1-315-697-8410

NEW YORK, Sanborn
1-716-731-3221

NORTH CAROLINA, Salisbury
1-704-642-1993

OHIO, Solon
1-440-349-8800

PENNSYLVANIA, Ambridge
1-724-318-8290

PENNSYLVANIA, Carlisle
1-717-249-2075

WASHINGTON, Spokane Valley
1-509-926-6211

WASHINGTON, Wenatchee
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Struggling to lower costs in your foundry?



Pyrotek Foundry Solutions

www.Pyrotek.info/foundry

FILTRATION CLOTH AND SOCKS

Pyrotek pioneered the use of fiberglass fabric as a filtration medium for molten aluminum over 50 years ago. Today Pyrotek weaves a complete range of high performance glass fiber available in cut pieces, sprue socks and rolls. Our HT material can withstand pouring temperatures up to 3000°F (1650°C).



HAND POURING LADLES AND

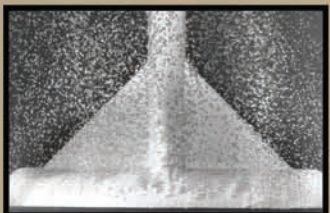
SKIMMERS

Our large selection of hand ladles and skimmers are economical and available in a variety of materials, including stainless steel, mild steel, cast iron and ceramic fiber. Uses include dross removal and hand pouring.



CERAMIC DEGASSING TUBES

Degassing tubes, with diffuser heads, promote the efficient elimination of included hydrogen in less processing time than with open-end tubes. Pyrotek's tee and bell diffuser



tube designs also reduce the amount of nitrogen or other inert fluxing gas needed. Diffused gas tends to coalesce around a plain tube when the tube is vertical. This makes our diffusers more desirable as they get the gas away from the tube. Photographs of the bubble patterns demonstrate the effectiveness of the Pyrotek diffuser tubes. The gas is being emitted in water, but the kinematic viscosity of water approximates that of molten aluminum.

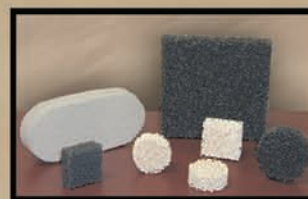
CRUCIBLES

Isostatically pressed carbon-bonded silicon carbide MOREX crucibles, by TYK Corporation, set the industry standard for performance. Different glazes, shapes and formulations are available for most gas or electric non-ferrous applications.



PYROPORE CERAMIC FOAM FILTERS

Our ceramic foam filters are proven, high-quality filters which provide the ultimate in molten aluminum filtration. Constructed of impregnated foam in controlled open-pore structures, Pyropore provides a superior metal filtration. Ceramic foam filters are easily installed and provide an efficient solution for the removal of oxides.



ROPES & SEALS

We offer a wide range of asbestos-free ropes and tadpoles, proven to provide optimal seals. Pyrotek ropes and tadpoles minimize the costs associated with downtime, energy loss and maintenance. Specialized designs can be fabricated to meet exact requirements of temperature resistance, size, density and wear resistance.

INSULATION BOARD

Pyrotek provides a variety of insulation board and machined board products including calcium silicate, millboard and high and low density particle board. Common applications include: holding furnace insulation, blow boards and electrical insulation.



RISER SLEEVES

Pyrotek riser sleeves offer excellent insulating properties and higher strength due to their high ceramic fiber formulation. Our



insulating sleeves combine superior strength with low fume generation. Additionally, the lower inside diameter of the neck-down sleeves has been reduced by 50% to minimize cleaning and grinding costs.

RFM® AUTO-POUR LADLES

Pyrotek's patented RFM® ladles are a tough composite ceramic. This lightweight ladle is tolerant of mechanical abuse. It provides dramatically superior life compared to other ceramic ladles and can significantly reduce maintenance expense and downtime. The material's low thermal heat sink allows for reduced holding temperatures, typically 10–20°F, saving on energy consumption. The combined material properties of RFM and the factory applied ZYP Boron Nitride Lubriccoat Blue® coating provides for excellent scull release, improving delivered metal quality.



CERAMIC FIBER BLANKET

We offer an extensive range of felts and blankets. Our selection is suited to meet demanding application needs over a range of temperatures. Non-RCF blanket is also available.



MASTER ALLOYS

Pyrotek is a supplier of high quality and cost competitive alloys.

- Strontium
- Titanium / Boron
- Magnesium
- Silicon