



Global Innovation for Your High Temp World

Fedmet provides quality engineered products and services for all your high temperature applications.

For 30 years, Fedmet has provided outstanding results for our clients within the iron, steel and non-ferrous industries. Our company's reputation is built on delivering high quality products made with the world's best raw materials.

We give you a competitive advantage by offering you superior proven products that positively impact your bottom line, perform better and are safer. Our knowledgeable engineers ensure the proper application of our products to give you the maximum level of output and safety.

With over 25 warehouse facilities in the United States, Canada, Mexico and South America we assure your products are readily available when you need them in these regions.

Through the use of our vast global resources, Fedmet is committed to delivering an exceptional customer experience and innovative solutions to all of our clients in the high temp world.

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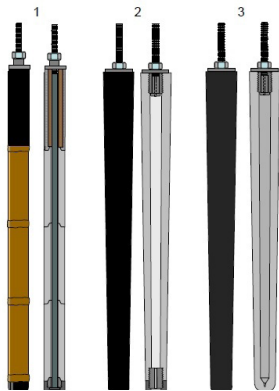
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www.fedmet.com



Foundry Stoppers and Nozzles:

ISO-statically pressed carbon bonded alumina-graphite stopper-rods and nozzles, clay composition extruded sleeves, hydraulically pressed clay nozzles and clay-graphite stopper-heads. One piece stoppers are typically a single composition, but can feature some of the same design and multi-composition as those used for continuous casting. Steel rods/rigging and mortars are also available.



1. Conventional stopper-head, clay sleeves with optional slag resistant AG/clay sleeve.
2. One piece ISO-statically pressed Al-C sleeve with clay-graphite stopper-head.
3. One piece ISO-statically pressed Al-C stopper-rod.

Fused Silica Flow Control Products:

Fused Silica is used in many applications. From continuous casting of steel to foundry and non-ferrous operations. The shapes are slip cast to form shrouds, stoppers nozzles and sub-entry nozzles.

For non-ferrous pressure and vacuum casting, coatings are applied to prevent air ingress.



Steel reinforcement with argon channels is also possible with this versatile product. Free from thermal shock, it

can be used directly from the crate. Fused Silica has natural insulation properties which prevents heat loss during casting and often provides a cost savings for shops with shorter casting sequences.



Fedmet offers world-class refractories for foundry operations of all types. From induction furnaces to AOD's, we have you covered.

The highest grade raw materials are processed in modern state-of-the-art facilities to provide you with high performance refractories.

Foundry Refractories:

Fedmet has proven products for every furnace, slag or practice. Induction furnace linings are available in spinel (brick or dry vibe), alumina (brick, dry vibe and pre-cast), and magnesite-based (brick, ram and pre-cast) qualities. Electric arc furnace brick are available in silica, alumina, mag-chrome, mag-carbon, burned magnesite and burned dolomite. Ladle linings are available in ram, castable and brick in every quality (silica, alumina, spinel, alumina-chrome, alumina-carbon, alumina-magnesia-carbon, mag-chrome, dolomite, and mag-carbon).

Foundry Specialites:

Fedmet has proven specialty products from rams to castables. Alumina castables from 50 to 94%. Alumina chrome castables and basic castables. Mortars in every flavor and consistency.

- Induction linings of spinel (brick or dry vibe), alumina (brick, dry vibe and pre cast), magnesite based (brick, ram and pre cast).
- Electric arc lining are available in silica, alumina, mag-chrome, mag-carbon, burned magnesite and burned dolomite.

MICA:

ISO-flex products prevent early leakage and costly damage to the coil.



ISO-combi: Laminated material made from mica and biosoluble fiber paper
ISO-foil 'R': Phlogopite mica paper reinforced with a glasscloth in the middle
ISO-foil 'R-MV' & ISO-foil 'R-M2V': Phlogopite mica paper reinforced with 1 or 2 glasscloth outside

ISO-ceram: Biosoluble AES fiber paper
ISO-foil 'S': Phlogopite mica sheets impregnated with a specific high temperature binder.

Ceramic Fiber:

Fedmet's ceramic fiber blanket presents unparalleled refractories and thermal insulation due to its long spun fiber needing technique. They offer superior insulating performance, flexibility and resilience. These products are unaffected by most chemicals (except hydrofluoric & phosphoric acids and concentrated alkali). Thermal and physical properties are retained after drying following wetting by oil, steam or water. The blankets are completely inorganic, so there are no fumes when heating for the first time. Ceramic fiber board and textile are also available.



Additional Foundry Products:

SAE Grade Steel Shot:

- Low Carbon
- High Carbon
- Grit
- Cut-Wire Shot

Filtration:

- Silicon Carbide Foam
- Alumina Foam
- Ceramic Honeycomb Filters
- Zirconia
- Glassweave