



Riser Sleeves, Fluxes and Metal Filters

Opta Minerals your source for Foundry Products:

Chromite
Foundry Sands
Cerabeads
Green Sand Additives
(Bentonite, Carbobond & Carsins)
Olivine Sand
Resin Coated Sands and
Chemically Bonded Sands
Riser Sleeves, FLux and
Metal Filters
Zircon

Contact Us

Our sales team is ready to help you to determine the right product for your job.
For more information please call us:
Toll-free: 888-689-6661
Tel: 519-720-9694
E-mail: info@optaminerals.com
Visit: www.optaminerals.com

Opta Minerals is the distributor for Foseco Foundry Products. Contact us today and let our experienced sales team help you find the right product to meet your foundry needs.

We stock a large variety of Foseco Foundry products.

RISER SLEEVE TECHNOLOGIES

Opta Minerals provides the widest range of riser sleeve technologies in the industry, ranging from highly efficient vacuum-formed slurry-based sleeves to the original core-shot, highly exothermic FEEDEX sleeve products. The new XP (extra Precision) sleeve technology combines the precision of modern core shooting techniques with consistent, high performance, low-density, refractory, insulating or insulating/exothermic feeding materials.

INSULATING RISER SLEEVES

KALMIN sleeves are insulating, lightweight riser sleeves used to efficiently feed castings. These sleeves are highly resistant to dilation and provide superior insulating characteristics, with low smoke and fume. The use of riser sleeves increases casting yield by allowing smaller riser sizes than conventional sand risers and reduces cleaning costs.

TEMPGARD riser sleeves are strong, low-density, vacuum-formed insulating tubes. They are specifically designed to promote efficient feeding of sand-cast aluminum and copper castings. The excellent insulation value of TEMPGARD delays solidification, keeping metal in the riser liquid longer. This allows smaller insulated risers to replace larger conventional sand-lined risers.

INSULATING/EXOTHERMIC RISER SLEEVES

KALMINEX insert sleeves are highly efficient riser sleeves designed with closely controlled external dimensions that permit insertion into the mold cavity after the mold is produced. These sleeves are provided in an exothermic/insulating formulation designed for optimum feeding efficiency when used in ductile iron, gray iron, and malleable iron and steel casting applications.

High strength **KALMINEX** sleeves (e.g., **KALMINEX 35** and **KALMINEX 95** sleeves) are highly efficient, exothermic/insulating riser sleeves used to effectively feed steel castings. Their high strength characteristics allow these sleeves to withstand rigorous foundry handling in the most demanding molding operations.

HIGHLY EXOTHERMIC SLEEVES

Highly exothermic **FEEDEX** sleeves are also extremely strong and are excellent for some critical and difficult feeding problems. Because they require relatively small volumes to feed effectively, and can be applied with breaker cores, they often provide valuable improvements in cleaning room productivity by reducing riser removal time.

The use of Foseco riser sleeves increases casting yield by allowing smaller riser sizes than conventional sand risers and reduces cleaning costs. The riser and casting contact area is significantly reduced, thereby eliminating the need for breaker cores. The reduction in contact area also allows risers to be located over a smaller area, enabling a reduction or elimination of metal padding.

- Increased casting yield
- Reduced energy costs
- Reduced metal treatment costs
- Reduced riser contact area
- Reduced casting cleaning costs
- Robust, refractory, consistent

SLEEVE SHAPES

Tube sleeves reduce riser size and can be applied on a wide variety of casting applications.

Round neck-down sleeve shapes reduce the riser casting contact size, eliminating the need for breaker cores and can be located on a smaller area to reduce or eliminate metal padding.

Insert Sleeves are highly efficient riser sleeves designed with closely controlled external dimensions that permit insertion into the mold cavity after the mold is produced.

The new XP (Extra Precision) grade sleeves provide a high level of dimensional control, improving performance and consistency in shell molding applications and other precision fit applications. New sleeve shapes can be offered to the market.

DIRECT POUR UNITS

KALPUR direct pouring systems are an assembly of a foam filter held inside an insulating sleeve. This unit acts as a combined pouring cup, filter, and riser sleeve, simplifying pattern design. They allow metal to be poured directly into the mold cavity without causing inclusions and other defects, thus eliminating conventional gating systems, while providing all the quality-enhancing benefits of metal filtration, providing non-turbulent metal flow and trapping oxides, dross, and other non-metallics just before the metal enters the casting.

Contact Opta Minerals today and let our experienced sales team help you find the right product to meet your foundry needs.