Ladles and Liners

$FUSiO_2N$™ SS dipping and pouring ladles provide long life and thermal insulation for molten metal pouring needs. RMG has developed a family of fused silica products so that $FUSiO_2N$™ SS was specifically developed for ladle applications.

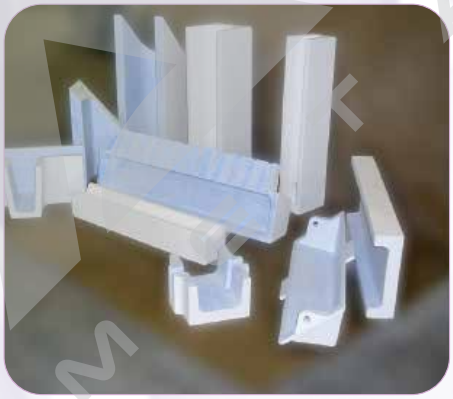
Ladles can come with a special BN coating to make them non-wetting to aluminium and other metals. Long life and thermal insulation are the key characteristics of $FUSiO_2N$™ SS ladles.

RMG has developed a standard line of robotic dipping ladles from 1 to 14 kg and have custom designs with far greater capacities. Transfer ladles are available in aluminium capacities up to 1800 kg. Also, RMG's engineering and tooling specialists can design and build a ladle according to the customer's exact specifications.

Properties	Features
Low coefficient of thermal expansion	Excellent thermal shock resistance and volume stability.
Chemical inertness	Long life, corrosion resistance.
High hardness	Long life, wear resistance.
Unique cast technology	Cost-effective, complex shape capability.
Low thermal conductivity	Thermal insulation, minimizes temperature loss.

$FUSiO_2N$™ SS ladles are made with a unique process which allows being very cost-effective and are available in sizes up to 4500 kg for iron and steel and 1800 kg for aluminium. Standard or custom-designed ladles are also available. For detailed information, please contact with our company.

Troughs and Launders



RMG's high performance metal delivery system utilizing Pyroform HP™ or Pyrolite® refractory technologies allow producers to eliminate launder pre-heating, avoid the need to "super-heat" the metal in in-line equipment and most importantly reduce holding furnace temperatures by as much as 50°C (or more in very long launders and / or low flow applications).

$FUSiO_2N$™ SS metal delivery systems are extremely abrasion resistant and are good where thermal losses are less critical. Due to its superior thermal shock resistance and high modulus of rupture, $FUSiO_2N$™ SS, far outlasts standard fused silica materials in launder applications.

Superior Thermal Performance

The top metal casting companies in the world choose Pyroform HP™, the leading refractory for use in their launders and other metal delivery systems.

Because of its thermal insulating properties and durability, Pyroform HP™ is the refractory material specified by Wagstaff for their billet casting systems and LaundAir low-warpage ingot casting launders.

Superior Abrasion Performance

One should choose $FUSiO_2N$™ SS launder systems for superior thermal performance and exceptional value. $FUSiO_2N$™ SS preformed shapes provide superior wear resistance for most critical high flow / high-velocity applications. In addition, its excellent thermal shock resistance and thermal insulation make it an ideal for molten metal handling.

RMG has a team of designers and metallurgical engineers who can assist in the complete design of metal delivery systems. Besides Turkey territory distributor AKM Metalurji is always ready to supply technical support to customers for the solutions in metal delivery systems.