

SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

NOROX™

OXIDE COMPOSITES SOLUTIONS



INNOVATIVE SOLUTIONS FOR LOW MAINTENANCE COST AND REDUCED DOWNTIME

At Saint-Gobain, we are dedicated to providing high-performance solutions that meet the evolving needs of the foundry industry.

Our NOROX™ technology, developed by Saint-Gobain Advanced Ceramic Composites, offers advanced oxide composites solutions designed to improve efficiency, reduce costs, and enhance the quality of foundry processes.

BENEFITS



Enhanced resistance to thermal shock



Reinforced mechanical properties



High thermo-mechanical stability



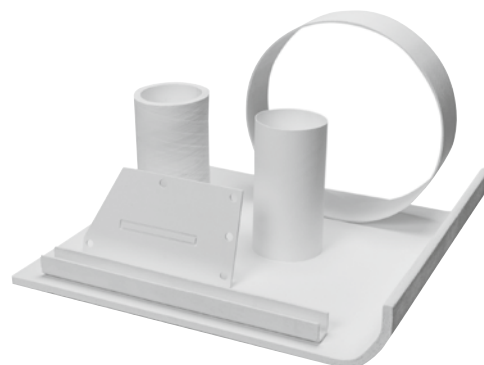
Excellent thermal and electrical insulation properties

SAINT-GOBAIN

NOROX™ - VERSATILE OXIDE COMPOSITES

NOROX™ completes traditional foundry solutions by offering longer service life, reduced maintenance needs, and better insulation properties. Our advanced oxide composites are engineered to withstand high temperatures and corrosive conditions.

The functionalized surfaces and customizable designs ensure that our solutions meet the specific needs of each customer, providing flexibility and adaptability in various applications.



PRODUCT	CHEMISTRY	SERVICE TEMPERATURE	MAX. TEMPERATURE
NOROX™ Q	Silica	900°C	1000°C
NOROX™ A	Alumina	1000°C	1100°C
NOROX™ K	Mullite	1200°C	1300°C

Surface finishing coatings can be applied onto NOROX™ products

APPLICATIONS	TYPE	BENEFITS
NOROX™ Dosing launders are used to protect the underneath ceramic structure by reducing thermal shock and corrosion.		<ul style="list-style-type: none">• Protection of the ceramic blocks against thermal shock and thermal gradient• Thermal insulation and reduced thermal losses• Compatible with non-wetting inorganic coatings (boron nitride)
NOROX™ Wire rod casting spouts deliver molten aluminum to a copper casting wheel for final shaping into a continuous cast rod.		<ul style="list-style-type: none">• Increased caster up-time compared to lined steel spouts• Low oxide, high-quality cast• Consistent performance with lower start-up costs
NOROX™ AutoPour ladles are used for robotic or automated metal transfer from the holding furnace to the casting station.		<ul style="list-style-type: none">• Longer lifetime with higher resistance to thermal shocks• Increased thermal resistance compared to other solutions• Durable behavior• Lighter and lower density

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For more information:
www.ceramicsrefractories.saint-gobain.com
ceramics.refractories@saint-gobain.com

Follow us on 

GERMANY

Saint-Gobain IndustrieKeramik Rödental GmbH
Oeslauer Straße 35, 96472 Rödental
PHONE: +49 (0) 9563 724 201



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