

NORLOOP™

PRECAST CERAMIC LOOPS
FOR CHANNEL FURNACES
INDUCTORS

SAVE COSTS & ENERGY FOR A SUSTAINABLE FUTURE

At Saint-Gobain, our commitment to sustainability enables us to develop innovative, cost effective solutions that meet the challenge of protecting the environment.

Saint-Gobain NORLOOP™ ceramic inserts are engineering ceramics designed to fit with harsh conditions occurring inside the critical part of the channel furnace.

BENEFITS



Easy and fast installation in inductors



Easier startup of furnace campaign and faster heat up



Longer channel furnace lifetime



Competitive downtime

PERFORMANCE CERAMICS & REFRACTORIES



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NORLOOP™ - CERAMIC INSERTS

This product family range NORLOOP™ exhibits optimized structure to resist the metal fluid flow under magnetic field at high temperature inside the channel furnace reducing drastically the clogging and the risk of premature erosion. It also ensures additional safety in operations preventing premature gas and liquid penetration and is the perfect accommodation with back up lining.

These products are customized according to your applications (Aluminum, Copper, Iron, etc.) with optimized characteristics to fit customer requests such as thermal conductivity, non-wetting surface aspect, densification.



FEATURES



Optimized surface reducing erosion and corrosion



High density product with controlled open porosity



Fully sintered product in house - no need of preheating



Higher heat transfer



Non-wetting surface

NORVIBE® - DRY MIXES

NORVIBE® dry mixes are optimized solutions specifically designed for full compatibility with NORLOOP™ ceramic inserts. They provide consistency and reliability in operations.

Our Neutral Ramming Mass (NRM) solutions in foundries...



...reduce CO₂ emissions by 100K TCO₂ every year



...are Crystalline Silica free, and thus contributing to a much safer environment for your operating teams.



Leverage Our Expertise.

Saint-Gobain Performance Ceramics & Refractories engineers and researchers collaborate with you, our customers, to solve operational challenges with customized ceramic solutions for channel furnaces inductors.



SCAN to connect

and discover more
about our Foundry Solutions

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