

CALDE® MICA enhances coil protection and relining efficiency in induction furnaces

Paris, France - May 6th - Calderys, a global leader in high temperature solutions, announces the launch of CALDE® MICA, designed to improve coil protection and maintenance efficiency in coreless induction furnaces.

Addressing the challenges faced by modern foundries

Foundry operators are exposed to a combination of constraints: rising energy costs, increasing equipment wear, and the need to reduce unplanned downtime while maintaining consistent production. In this context, refractory performance is no longer the sole area of focus, with greater attention placed on critical interface areas within the furnace, such as the coil/lining interface, where safety hazards, contamination and maintenance difficulties can originate causing unplanned downtime.

Solving critical risks at the coil interface

CALDE® MICA is installed between the induction coil and the refractory lining. While discreet in appearance, this interface plays a crucial role in furnace operation. The solution provides:

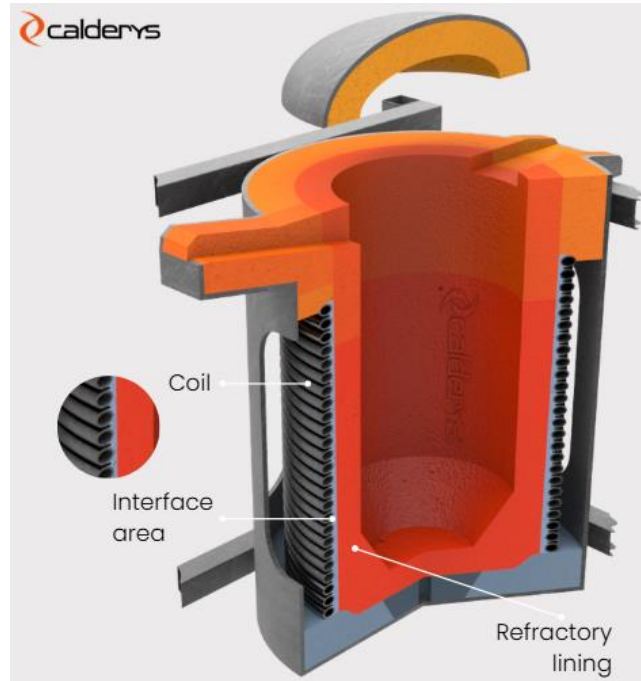
- Electrical insulation at the coil interface
- Protection against depositions within the silica lining, reducing the likelihood of short-circuiting
- A slip plane that facilitates smoother and more controlled push-out during relining

By tackling these operational challenges, CALDE® MICA helps foundries improve maintenance control, reducing the risk of unplanned shutdowns and contamination incidents.

"Foundry operators are continuously looking for ways to improve reliability and simplify maintenance," said Gert Karlsson, Technical Director Foundry EMEA at Calderys. "CALDE® MICA directly addresses what happens at the coil interface, protecting an essential component while making relining operations more controlled and predictable. CALDE® MICA is now available in Europe and will soon be available in the rest of the world alongside our other foundry products."

A complementary solution to CALDE® SILICA MIX

CALDE® MICA is designed to work alongside CALDE® SILICA MIX, Calderys' established refractory lining solution for induction furnaces. This combined offering reflects Calderys' strategy to deliver integrated refractory solutions to better meet customer needs.



Copyright Calderys: the interfaces between the coil and the refractory lining pose many challenges to foundry operators, and that's where CALDE® MICA comes into play.

About Calderys

Calderys is a leading global provider for industries operating in high-temperature conditions. The Group specializes in thermal protection for industrial equipment with a wide range of refractory products and advanced solutions to enhance steel casting, metallurgical fluxes, and molding processes. With a presence in more than 30 countries and a strong footprint in the Americas through the brand HWI (HarbisonWalker International), Calderys' international network of experts ensures an end-to-end offer with tailored services. Drawing on 160 years of experience, Calderys supports its customers in their energy transition needs. Headquartered in Paris, France, the Group counts 4,500 employees (excluding contractors), and more than 50 plants on five continents.

For more information, [visit www.calderys.com](http://www.calderys.com)

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