

# FOUNDRY INSIGHT

Improving Performance in Production

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## NEW REFRACTORY PRODUCTS BOOST FURNACE PRODUCTIVITY

DEDICATED MATERIALS DELIVER IMPROVED PERFORMANCE AND PRODUCTIVITY

Pyrotek has launched a range of six specialized phosphate-bonded refractories for key applications in the aluminium, primary and foundry industries.

PyroGun and PyroFast products were developed to repair melting and holding furnace roofs and walls. Furnace repair allows the customer to boost productivity by reducing the crucial frequency and downtime of furnace rebuilds.

PyroGun and PyroFast refractory systems are unique phosphate-bonded alumina-based refractory castables, recommended for use in aluminium applications where corrosion, thermal shock, alkali attack and high temperature are key factors. These materials are essentially designed around a two-component technology incorporating a dry refractory aggregate mixed with a liquid binder.

The usual methods currently used for furnace repair are gunning, casting or a combination of the two.

Typical applications for PyroFast and PyroGun across the various grades include:

- Melting and holding furnace upper sidewalls and lower walls
- Furnace roofs, doors, lintels, sills and jambs
- Belly bands
- Heated launder systems for continuous casting and foundry diecasting
- Trough patching and repair
- Furnace repairs / patching
- Chargewells, pouring blisters

Pyrotek technical specialists are available to assist in specifying the best PyroFast and PyroGun materials for particular applications.

[www.pyrotek.info/furnace\\_repair](http://www.pyrotek.info/furnace_repair)

