

# Refractory Filling and Repairing Compound “Pyroform E-Z Fill™”

Pyroform E-Z Fill™ is RMG’s premium joint and patch compound. It was developed specifically to spread easily and finish smoothly for faster and better joint construction. Pyroform E-Z Fill™ is formulated to securely bond between sections of Pyroform HPT™, HP-45, Pyrolite® and other refractory segments. It is non-wetting to molten aluminium and has very good strength and abrasion resistance for long life.

Pyroform E-Z Fill™ has the lowest thermal shrinkage of any comparable product, reducing the chance of joints opening up and allowing metal penetration.

Pyroform E-Z Fill™ is extremely non-wetting to molten aluminium, magnesium and zinc and when coated with Pyroform Sealer™, creates a surface that is truly impervious to molten metal attack and oxide attachment.

Pyroform E-Z Fill™ is available in convenient caulking tubes of 320 gr, as well as, 5 and 24 kg. of plastic containers. It is caulkable and pumpable for large repairs or used as a back-up insulation material.

Surfaces to be bonded must be clean and free of loose particles, dust and release coating. Curing takes place through normal air drying. Low temperature heat (up to 95°C) can be used to accelerate the process.

If necessary, this can be accomplished using a hot air blower or low-velocity flame.

Pyroform E-Z Fill™ is supplied with a freeze protector to prevent damage during transport. The product should be stored between 4°C and 32°C. Under these conditions, E-Z Fill™ has one-year shelf life, it can be extendible up to three years by controlling of temperature and humidity conditions.

For higher temperature applications where molten metal is not present, such as furnace repairs above the metal line or for back-up insulation, one can use Pyroform E-Z Fill™.



## Main Properties

Appearance	Cream Colored Putty
Chemical Composition, %	
SiO <sub>2</sub>	64
Al <sub>2</sub> O <sub>3</sub>	32
Other Inorganics	4
Density (dry), kg/m <sup>3</sup>	800
Loss on Ignition, %	3.5
Modulus of Rupture, KPa	
As dried 24 hours at 815 °C	2758 2413
Linear Shrinkage, %24 hours at 815 °C	0.1
Thermal Conductivity, W/m. K	
204 °C	0.108
427 °C	0.108
649 °C	0.108
Maximum Use Temperature, °C	871
Resistance to Molten Aluminum	Excellent

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.