



PYROMASTIC

REFRACTORY REPAIR, JOINT-FILLING & PATCHING MATERIAL

Pyromastic is a ready-to-use construction material containing alumino-silicate fibers, which is intended for high-temperature applications such as contact with molten metals or hot gasses.

Pyromastic is an easy-to-use yet robust solution for installation of refractory components, joint filling, patching, refractory repair, and more.

Pyromastic is insulating and resistant to both mechanical erosion and chemical corrosion in harsh environments.

BENEFITS

- Mechanically tough
- Resistant to chemical corrosion
- Adheres to both refractory (ceramic) and metal substrates
- Easy to apply with hands or hand tools
- Thermally insulating

APPLICATION

Pyromastic should be applied to a clean substrate which is free of non-wetting coatings or other dust and debris. Apply by hand or using tools to create a smooth finished surface. Allow eight hours of drying per inch of thickness, or speed drying using gentle heating. Pyromastic is water soluble and can be thinned with water, as needed.



AVAILABILITY

- 15 kg (33 lb) pail
- 8.5 kg (19 lb) pail
- 5 kg (11 lb) pail
- 0.9 kg (2.0 lb) satchet bag
- 0.5 kg (1 lb) tube

STORAGE AND SHELF LIFE

- Store in a cool place and avoid freezing temperatures
- Product should be used within six months of manufacture date

HEALTH AND SAFETY

Please see Pyrotek safety datasheet for details.

PHYSICAL AND CHEMICAL PROPERTIES

Product	Pyromastic	Pyromastic V2
Description	Original and proven recipe containing aluminium silicate fiber, chemical binders, and other minerals.	Modified recipe containing alternative aluminium silicate fibers for improved adhesion to hot-application substrates.
Chemistry	72% Al ₂ O ₃ , 25% SiO ₂	39% Al ₂ O ₃ , 60.5% SiO ₂
pH	5-6	5-6
Wet Density	1.5 g/cm ³	1.1 g/cm ³
Dry Density	1.0-1.1 g/cm ³	0.35 g/cm ³
Maximum Continuous Use Temperature (Approximate)	1250°C	1250°C
Thermal Conductivity	0.08 W/mK at 200°C 0.12 W/mK at 400°C 0.17 W/mK at 600°C 0.21 W/mK at 800°C	0.08 W/mK at 200°C 0.11 W/mK at 400°C 0.16 W/mK at 600°C 0.19 W/mK at 800°C

