



Accumet Materials, Co.

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REFRACTOSEAL 100

HIGH TEMPERATURE CERAMIC ADHESIVE/SEALANT

Accumet Materials' REFRACTOSEAL 100 sealant/adhesive is used for bonding and sealing gaskets, metals, ceramics, refractory insulation and other porous materials to temperatures up to 1000 °F. REFRACTOSEAL is formulated to withstand thermal expansion and contraction in thermal cycling applications, such as furnaces, heat exchangers, ovens and boilers. This single component sealant is easy to use and exhibits a high initial tack and viscosity that holds the cement in place and prevents running, yet is low enough to enable excellent penetration into fibers and pores, making it an excellent adhesive for bonding most surfaces.

Material Properties

	REFRACTOSEAL 100
Major Constituent	Silicate
Max. Temp. °F (°C)	1000 (538)
Number of Components	1
Moisture Resistance	Excellent
Oxidation Resistance	Excellent
Alkali Resistance	Excellent
Acid Resistance	Good
Curing	Air temperature
Shelf life, months	6
Color, wet	Black/Buf
Color, dried	Black

Instructions for application and curing.

For best results, clean surfaces thoroughly before bonding. REFRACTOSEAL 100 has high initial tack and viscosity and will not run even if applied to vertical surface. The sealant will become tack-free in approximately 30 minutes and complete air cure in 24 hours. Also, REFRACTOSEAL 100 may be heat cured in 2-4 hours in normal fireplace, stove or oven start up conditions. Keep From freezing. Store at 60 – 80 °F. Reseal when not in use.