



## POR-15 FIRE SEAL

### Application Information

#### PRODUCT DESCRIPTION:

Fire Seal 2000 is an inorganic mineral-rich ceramic paste, metal-filled for added strength and able to withstand temperatures in excess of 2000°F (1200°C). Fire Seal 2000 is a water-based, ceramic and stainless steel-filled putty that is resistant to fuels, oils, and corrosive materials, non-flammable and easy and safe to use. Fire Seal 2000 bonds aggressively to cast iron and carbon steel and is strengthened by exposure to heat. Use it to repair high temperature, low pressure exhaust leaks from the cylinder head to the muffler as well as leaks in wood stoves, barbecues, and furnaces.

**Surface Preparation:** Remove loose rust with wire brush or sanding tool. Sandblast if possible. V-groove the crack and drill holes through ends with 1/8" drill bit. Remove dirt or oil with lacquer thinner and use a propane torch to burn off residue and remove moisture.

**Application:** Mix contents of tube by squeezing it in different directions. Spread Fire Seal 2000 evenly with a putty knife. Seal tube to save unused material. For pits, cracks, and small holes, maximum thickness of 3/8" (10mm) is recommended. For larger holes, use fine screening as a membrane.

**Curing:** Air dry 13-24 hours (48 hours in humid environments), then idle engine or heat repair gradually for 10-15 minutes to fully cure. Sand Fire Seal 2000 after fully cured using a file or medium grit sandpaper. Use dust mask to avoid breathing dust.

#### Machining

Sand Fire Seal 2000 after it is fully cured, using a file or medium grit sandpaper. Do not use a lubricant for machining. Make sure to wear a dust mask to prevent inhalation of sanding dust.

#### Storage

Store unused Fire Seal 2000 between 45-90°F (10-35°C). Do not permit freezing. Avoid contact with eyes. Avoid prolonged contact with skin. In case of skin contact, flush thoroughly with water. Keep out of reach of children.

**Caution:** Be careful to avoid contact with eyes and skin. If product gets into eyes, flush with copious amounts of fresh water. Get prompt medical attention. If swallowed, drink large quantities of milk or water. **KEEP OUT OF THE REACH OF CHILDREN.**

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