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## Technical Data Sheet

### Permatex® Radiator Repair Kit

AAM Revised 11/02

#### PRODUCT DESCRIPTION

S.I.N.: 834-300

Permatex® Radiator Repair Kit is formulated to repair all plastic and metal radiator tanks. The repair resin is designed to harden within 8 – 10 minutes and cures in 30 minutes. Repairs can be made on cracks up to 4 inches (10cm) long and holes up to 3/8 inches (9mm) in diameter.

#### PRODUCT BENEFITS

- Easy to use
- Everything required for repair is included
- Easy to follow instructions
- Fast curing
- Repairs can be made in 30 minutes
- Repairs plastic and metal tanks

#### TYPICAL APPLICATIONS

- Plastic and metal radiator tanks in cars, light trucks and RV's

#### DIRECTIONS FOR USE

The repair resin is designed to harden within 8 – 10 minutes and cures in 30 minutes. Read all directions before beginning repair. Repairs can be made ideally at temperatures from 50°F to 75°F. Repairs made at lower temperatures will take longer to cure.

1. Allow the radiator to cool before beginning repair. When cool, remove the radiator cap to vent. Drain tank or reduce fluid level at least 2 inches below damaged area.
2. Prepare damaged area by removing any oil, grease, tar or dirt, etc. from the repair area. Sand the affected area to at least 1 inch beyond the damage.
3. For cracks in plastic radiators that may continue to expand, drill a small hole at each end of the crack
4. Clean the area with alcohol swab. Cut the fiberglass cloth to fit within the sanded area.
5. The resin must be mixed and applied in less than 8 minutes as the resin will begin to harden. Mix the resin as follows: Burst the seam that separates the two materials by applying pressure to one side. Knead the contents of the pouch back and forth until the mixture is of uniform color (**mix for 2 minutes maximum**).
6. Cut off the top of the pouch and dispense some of the resin mixture onto the damaged area. Spread the resin mixture in a uniform layer with the supplied brush onto the area to be covered by the fiberglass. (Note: The material will become warm to the touch.)
7. Place the fiberglass over the resin-covered area. Spread the remaining mixture over the fiberglass until it is completely saturated. Taper the areas of the repair beyond the fiberglass. Smooth the repaired area with the brush.

#### For Cleanup

1. Wipe off any uncured resin with a cloth.
2. Uncured resin may be cleaned up with a cloth saturated with alcohol.
3. Cured resin will have to be scraped off or chipped off.
4. Clean hands with alcohol for uncured resin. Cured resin on hands will wear off.
5. Clean hands with Fast Orange® hand cleaner provided.

#### PHYSICAL PROPERTIES

	Typical Value
Chemical Type	Epoxy Resin
Appearance	Black/Clear Viscous Liquid
Odor	Mild/Mercaptan
Specific Gravity	1.15
Flash Point, COC	>200°F

#### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected for use with chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).**

#### ORDERING INFORMATION

Part Number	Container Size
09104	1 Complete Kit

#### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

#### NOTE

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