

**LOCTITE***Adhesives for more  
reliable assemblies***APPLICATION CASE HISTORY****No. 128**

# Thermador Increases Cooktop Reliability, Reduces Cost With Loctite 5920 Formed-In-Place Gasket

*Realizes equipment investment in less than one year***Problem:**

Thermador, a major manufacturer of high end gas ranges and cooktops, was looking to replace its current pre-cut gasketing system. Pre-cut, extruded foam gaskets were being used to create a seal between porcelain-coated burner plates and the glass or stainless steel cooktops. These gaskets were designed to enhance cleanability by preventing food or liquids spilled while cooking from seeping under the burner, with cooking temperatures to 650°F. Proper assembly was required.

In addition, the method of assembly was costly and time-consuming. Assembly technicians applied rubber cement to the pre-cut gaskets and manually put them in place on the burner plates.

**Solution:**

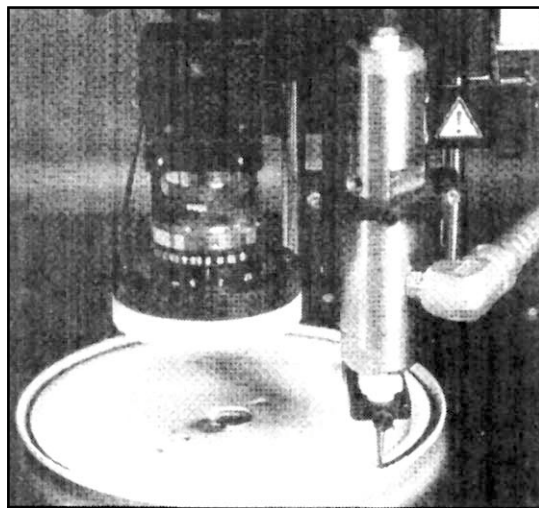
Loctite 5920 Formed-In-Place Gasket.

Using an Asymtek automated dispenser equipped with a high-pressure spool valve fed by a five-gallon pail pump, Loctite 5920 is now dispensed in two continuous beads, one on top of the other, to obtain the required bead height of 0.025 inches above the rim of the part.

Loctite 5920 is a room temperature-curing, formed-in-place gasketing compound. Its non-sag copper paste adheres easily to metal, glass, natural and synthetic fibers, wood, ceramics, other silicone rubbers, and many plastic substrates. Loctite 5920 is used to fill voids and irregularities in surfaces maintaining a positive seal in applications up to 662°F (350°C).

**Results:**

Thermador has realized a total annual savings in excess of \$20,000. In fact, with the material savings that resulted from replacing the pre-cut gasket with Loctite 5920, Thermador was able to pay back its equipment investment in less than one year.



*Loctite 5920 is dispensed by an Asymtek high-pressure spool valve onto a porcelain-coated burner plate.*

**Loctite Americas**

**U.S.A.**  
Loctite Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067  
860-571-5100  
Telefax: 860-571-5465

**CANADA**  
Loctite Canada Inc.  
2225 Meadowpine Blvd.  
Mississauga, Ontario L5N 7P2  
800-263-5043 (within Canada)  
905-814-6511  
Telefax: 905-814-5391

**MEXICO**  
Loctite Company de México, S.A. de C.V.  
Calzada de la Viga s/n, Fracc. Los Laureles  
Loc. Tulpetic, C.P. 55090  
Ecatepec de Morelos, Edo. de México.  
01-800-8499-412  
Telefax: 011-525-787-9404