

December 15, 2008

The manufacturer performed Adhesion Testing on four Plastic Components PVC substrates using **PC-TS00215** acrylic urethane elastomeric sealant. **The tests were run in accordance with ASTM C-794.** The results are as follows:

| SUBSTRATE | SEALANT | PRIMER | REQUIREMENT | RESULT |
|-----------|------------|--------|-------------|--------|
| STDE-50 | PC-TS00215 | None | 5 pli | 11 pli |
| 711-50 | PC-TS00215 | None | 5 pli | 10 pli |
| 2050 | PC-TS00215 | None | 5 pli | 14 pli |
| 1050 | PC-TS00215 | None | 5 pli | 12 pli |



SUBSTRATE PREPARATION

Isopropyl Alcohol Wipe. No Primer Used.

RESULTS

All samples showed excellent adhesion. Note that ASTM C-794 requires a minimum peel value of 5 pli. The adhesion between Plastic Components' PVC trims and the elastomeric sealant was at least twice that amount. *In one case it was almost three times the ASTM requirement.*

Tower Tech²™ is a one-component, high-performance gun-grade sealant that forms a flexible, airtight and water-resistant seal against moisture, and other environmental conditions. This durable sealant offers superior adhesion and flexibility – with 800% elongation.

- Internally plasticized – no 'shiners' or paint discoloration
- Superior bonding to PVC and most other surfaces, including masonry, brick, concrete, wood, metal, marble, glass and ceramic tile
- Non-yellowing white sealant
- Mildew-resistant, reduces dirt pickup
- Paintable, soap and water cleanup
- Interior/exterior use

Technical Data

Once cured, sealant exceeds the requirements of the following:

- Federal Specification TTS-00230C, Type S, Class A
- ASTM C-920, Grade NS, Class 25
- ASTM C-834, Type OP, -18° C

Use this elastomeric sealant to caulk the butt joints, ends, angles, corners and intersections of Plastic Components' PVC accessories at time of installation.

Installation Guidelines

Surfaces to be caulked must be dry and free of all dirt, dust, mildew, oil or other contaminants. Apply sealant only when surface and air temperatures are above 40° F and rising. Do not apply on surfaces that exceed 140° F, or when rain is expected.

Application: Cut nozzle at 45° angle. Cured bead should be between 1/8" and 1/2". Use backer rod for gaps larger than 1/2". Smooth bead with moistened cloth. Clean tools with soap and water. Allow 4 to 6 hours cure time before painting. Not intended for areas that will be submerged in water.

KEEP FROM FREEZING.
 KEEP OUT OF REACH OF CHILDREN.

Gun-grade Elastomeric Sealant

| Product Number | Description | Tubes per Box |
|----------------|---|-------------------------------|
| PC-TS00215 | White, Gun-grade Urethane Modified Acrylic Sealant for use with Plastic Components' PVC accessories | (12) 10.1 oz each (299 mL) |