# ATC 100

## Description and Uses

ATC 100 is a single component elastomeric sealant without free isocyanates or solvents (VOCs.) It cures rapidly by drying to form a flexible joint between substrates. It has excellent adhesion to most materials including plywood, plastic, concrete, masonry and metal.

ATC 100 is a hybrid water, vapor, gas and radon resistant sealant polymer, specially designed to adhere to damp or dry surfaces, making it excellent for sealing cove joints and concrete floor cracks against radon, methane, water, water vapor and other soil gasses. ATC 100 is excellent for bonding plastic, concrete and other materials and substrates. ATC 100 is UV resistant and can be used on exterior and interior surfaces. ATC 100 can be painted after curing

## Where to Use

- Cove joints
- Concrete floor cracks
- Interior or exterior

## Advantages

- No VOCs
- Combines the best qualities of polyurethane and silicone sealant
- Non-yellowing
- Isocyanate free
- High bond strength
- Easy flow

## Technical Data

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|---|---|
| Appearance | Pasty |
| Color | Grey |
| Density at 200 C | 1.65 +/- 0.05 |
| Sagging (ISO 73900) | No |
| Application Temperature | $40^0$-$100^0$F |
| Temperature resistance | -$4^0$-$190^0$F |
| Cure Time @ 750F and 50% HR | 50 minutes |
| Skin Formation time @750F and 50% HR | 24-36 Hrs |
| Final Shore A Hardness (ISO 868-3 sec.) | >30 |
| Modulus at 100% (ISO 8339) | >70 psi |
| Elongation at Break (ISO 8339) | >140 psi |
| Resistance to dilute acids and bases | Good |
| UV Resistance | Excellent |
| Water and salt spray resistance | Excellent |
| Compatibility with paints | Yes |

## Application Instructions

**Preparation:**
The substrates must be clean, dry free of dust, oil, grease, and any contaminates that could harm bonding. All traces of poorly adhered paint or coatings should be removed beforehand. If the substrates to be cleaned, solvents such as methylethylketone (MEK) or acetone may be used. Check the compatibility of the solvent used with the substrates. It may be necessary to rub down the substrate beforehand. After rubbing down, the surface should be recleaned. Allow the substrate to dry after degreasing. Note: When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instruction given by the manufacturer or supplier.

**Caulking**:
ATC 100 may be applied by manual or pneumatic gun.
After application, each joint should be tight up to the joint lip and smoothed with a putty knife. This product should be used within 24 hours of opening the cartridge. If stored in cold weather, store the cartridges at $70^0$F prior to use.

## Drying Time

Skin time is 50 minutes. Full cure at 24 hours depending on temperature and humidity.

## Clean Up

Tools should be cleaned with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

## Storage and Shelf Life

12 months in the original hermetically sealed packaging between 40-75$^o$F.

## Packaging

10.4 oz cartridges

## Safety

Not classified as hazardous. Read the MSDS before use.

## Warranty

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.

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applied technologies llc
P. O. Box 18476 Fairfield, OH 45018
1-877-277-5948 (513) 939-3767
www.appliedtechnologies.com