



ADVANCED
Building Products Inc.

SEALTITE SEALANT BUTYL TAPE

Description

Sealtite Sealant Butyl Tape is formulated with high performance butyl elastomers. It is soft, resilient and easily worked by hand; yet it adheres instantly to most normal clean commercial surfaces.

Sealtite Sealant Butyl Tape has excellent weathering characteristics while retaining adhesion and elasticity in both hot and cold environments.

Sealtite Sealant Butyl Tape has outstanding webbing and elongation properties along with excellent adhesion to glass, plastic, polyethylene, galvanized, aluminum and aluminum-zinc coated steel.

Sealtite Sealant Butyl Tape also has excellent adhesion to siliconized polyester, polyurethane and polyvinyl fluoride painted substrates.

It is designed to seal exposed joints against infiltration of air, dust, water and pollutants.



PROPERTIES

| Property | Test Method | Typical Values |
|--------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color | ASTM D1729 | Gray |
| Odor | | None. |
| Application Temperature | | 40°F to 120°F (4°C to 49°C) |
| Service Temperature | | -70°F to 220°F (-57°C to 104°C) |
| Cone Penetration, 300g | ASTM D217 | @ 0°F ≥ 42 dmm @ 77°F ≤ 110 dmm @ 120°F ≤ 145 dmm |
| % Solids | ASTM C771 | >99% by weight |
| Specific Gravity | ASTM D297 | 1.75 ± 0.05 g/cm ³ |
| Weight per Gallon | | 14.6 ± 0.5 pounds per gallon |
| Tensile Yield | ASTM C907 | 15 psi with cohesive failure |
| 180-degree Peel Strength | ASTM D903, Test condition | Substrate: Peel strength and failure mode |
| | 1-hour dwell | Aluminum: 5.8 lbs./inch, cohesive failure Cold rolled steel: 6.5 lbs./inch, cohesive failure Galvanized steel: 6.5 lbs./inch, cohesive failure |
| | 1000-hrs @ 158°F | Cold rolled steel: 7.4 lbs./inch, cohesive failure Galvanized steel: 8.0 lbs./inch, cohesive failure |
| | 4-week water soak | Galvanized steel: 13.5 lbs./inch, cohesive failure |
| Flexibility | ASTM C765 | Passes 3/8-inch mandrel bend at -70°F |
| Elongation and Webbing | TP-012 | 400% @ 32°F w/o water leaks 1000% @ 77°F w/o water leaks |
| Plastic Deformation | ASTM D816 | No flow or deformation of sealant after 1-hour @ 257°F. |
| Heat Stability | 6-months @ 180°F | No hardening, crusting or softening of surface. No surface crazing after cooling to 75°F and bending over a 1/4-inch mandrel. |

| | | |
|-----------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vehicle Bleedout | AAMA 800-08 ASTM C772 | 21-days @ 77°F, no visible bleedout or migration. 14-days @ 180°F, no visible bleedout or migration. 21-days RS type sunlamp, no visible bleedout or migration. |
| Staining | ASTM D925, Method A - 7-days @ 175°F | No staining, no significant change in sealant color or its non-skinning characteristics. Will not cause crazing of plastics. |
| | ASTM D925, Method B - 7-days RS sunlamp @ 140°F | No staining, no significant change in sealant color or its non-skinning characteristics. Will not cause crazing of plastics. |
| Paintability | | Paintable |
| Water Resistance | 60-days water immersion @ 120°F | Maintains adhesion to galvanized metal, aluminum-zinc coated steel and siliconized polyester painted surfaces. |
| Chemical Resistance | | Excellent resistance to ozone, water and alcohols. Good resistance to weak acids and bases. Fair resistance to ketones. Poor resistance to oils, aliphatic and aromatic solvents. |
| Weatherability | ASTM D750 | No apparent change of physical properties after 1000-hours QUV exposure. Slight discoloration. |
| Discoloration from Ultraviolet Light Exposure | ASTM D1148, 2000-hrs UVA-340 | Slight yellowing. |
| Paper Release | TP-013, Method B | Release paper comes off sealer easily and clean at temperatures up to 158°F. |
| Dimensional Stability (Cold Flow) | TP-010 | Roll of sealer will not sag more than 3/4-inch when hung vertically for 48-hours. |
| Shelf Life | | Minimum 1-year when stored in the original container at normal warehouse temperatures. |
| Product Size | | 1/16" x 1" x 50' rolls |
| Product Packaging | | 16 rolls/carton, 32 cartons/pallet, 512 rolls per pallet |

REGULATIONS and SPECIFICATIONS:

Federal Specification: TT-C-1796A, Type II, Class B
NAAMM: Meets standard SS-1C-68.
FDA Regulation: Meets U.S. Food and Drug Administration (FDA) regulation 21 CFR 175-105 - Indirect food additives: Adhesives and components of coatings. For substances that may come into contact with food as part of packaging or processing equipment, but are not intended to be added directly to food.
LEED: Conforms to Leadership in Energy and Environmental Design 2009 for New Construction, Indoor Environmental Quality; Section 4.1, Low-Emitting Materials: Adhesive & Sealants (SCAQMD) Rule # 1168, VOC limits.
USDA: Is acceptable to the U.S. Department of Agriculture for use in meat and poultry processing areas under Federal Inspection.

