



## ( T-10-Silicone ) Single Component Silicone

**SPEC Tech T-10** Series are single component elastomeric waterproofing moisture cure silicone coatings. SPEC Tech T-10 white meets Energy Star reflectance performance requirements for both low and high-sloped roofs and is approved by the Cool Roof Rating Council (CRRC). Meets ASTM D-6694 and California Energy Commission Title 24 requirements for liquid-applied roof coatings.

**SPEC Tech T-10** is designed as a protective coating for spray-in-place polyurethane foam. For all other substrates, contact SPEC Tech.

### LIMITATIONS:

**SPEC Tech T-10** should not be applied to the exterior of refrigerated tanks.

### COLOR

- T-1000 white
- T-1022 medium gray
- T-1048 tan

### APPLIED PRODUCT DATA

#### WEATHERABILITY

Excellent durability, color stability and chalk resistance.

#### CHEMICAL RESISTANCE

Excellent solvent and chemical resistance.

#### TENSILE

ASTM D-412-68

- Strength: 480 psi (3.31 MPa)
- Elongation: 200% ± 10
- Permanent Set at Break: Approx. 1%

#### TEAR RESISTANCE

- ASTM D-624 DIE C
- Lb. / in.
- 40 pli (7.2 kg(f)/cm)

#### HARDNESS

- ASTM D-676
- 50 Shore A

### Change in % after exposure EMMAQUA, ASTM G90-94 401 days @ 86°F (30°C)

- Strength: 0%
- Elongation: -9%
- Permanent Set at Break: -17%
- Tear Resistance: -30%
- Hardness: 0%

### WATER VAPOR PERMEABILITY

- ASTM E-96
- Procedure B at 0.5 mm (20 mils) thickness ± 10% Minimum permeance requirement is 2.5 U.S. perms
- 6.2 perms

### FLAMMABILITY

- ASTM E-108 (UL-790) Class A

### ADHESION

Excellent adhesion to polyurethane foam.

### REFLECTANCE

- ASTM C-1549
- **SPEC Tech T-10** White
- 0.89

### EMITTANCE

- ASTM C-1371
- **SPEC Tech T-10** White
- 0.89

### PACKAGED PRODUCT DATA

#### COVERAGE

1091 (26 m<sup>2</sup>/L/.02mm)

#### SOLIDS Weight:

- Method 4041
- Fed. Std. 141
- 80% ± 1%

#### SOLIDS Volume:

- 69% ± 1%

#### V.O.C.

Volatile organic compounds content is 249 grams per liter. SCAQMD version is 49 grams per liter.

### FLASH POINT

- ASTM D-56
- 105 ± 4°F (41 ± 2°C)

### STORAGE STABILITY

One year from date of manufacture when stored in sealed containers below 75°F (24°C).

### CLEANER

SPEC Tech T-5135 thinner.

### APPLICATION

#### PRIMER

None normally required.

#### MIXING

Mix before application to assure uniform color and consistency.

#### APPLICATION

Apply by brush or roller as received. For spray application, use as received. Consult **SPEC Tech T-10** Silicone Spray Guide for more information.

For cold weather application, keep material stored above 65°F (18°C). Maximum time between coats is 72 hours. Longer recoat times will result in poor intercoat adhesion and delamination.

#### CLEAN-UP

Clean spray equipment with **SPEC Tech T-10**, T-5135 thinner. Recirculate through lines and gun until residual **SPEC Tech T-10** is removed.

#### CURE

Applied coating will cure in 3 to 7 hour depending on temperature and humidity.

#### CAUTION

**SPEC Tech T-10** contains solvent and is combustible. Keep away from heat, sparks and open flame. Avoid prolonged breathing of vapors and prolonged or repeated skin contact. Use only with adequate ventilatio

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