



(T-20 Silicone) Single Component Silicone

SPEC Tech T-20 Series are single component elastomeric waterproofing moisture curing silicone coatings. Standard specification for liquid applied silicone coating used in spray polyurethane foam roofing.

USAGE

SPEC Tech T-20 is designed as a protective coating for spray-in-place polyurethane foam, metal, concrete, wood, built-up roofing and most single ply's.

COLOR

- T-2000 white
- T-2022 medium gray
- T-2048 tan

APPLIED PRODUCT DATA

WEATHERABILITY

Excellent durability, color stability and chalk resistance.

CHEMICAL RESISTANCE

Excellent solvent and chemical resistance.

TENSILE

- ASTM D-412
- Strength: 550 ± 10 psi (3.79 ± .07 MPa)
- Elongation: 150 % ± 10
- Permanent Set At Break: Approx. 1%

TEAR RESISTANCE

- ASTM D-624 DIE C
- Lb. / in.
- 21 pli (3.8 kg(f)/cm)

HARDNESS

- ASTM D-2240
- 55 Shore A

S-2000 Immersed in Water @150°F(66°C) for 1 year per ASTM D-471:

- Strength: 463 psi (3.19 MPa)

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- Elongation: 125%
- Permanent Set at Break: 0%
- Tear Resistance: 11 pli (2.0 kg(f)/cm)
- Hardness: 56 Shore A

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
- 5.3 perms

Excellent adhesion to polyurethane foam.

FLAMMABILITY

- ASTM E108 Class A

REFLECTANCE

- ASTM C-1549
- S-2000 White
- 0.88

EMITTANCE

- ASTM C-1371
- S-2000 White
- 0.87

COVERAGE

- Sq. Ft./Gal./Mil 1524 (37.42 m² /L/.02mm)

SOLIDS Weight:

- Method 4041
- Fed. Std. 141
- 96.5% ± 1%

SOLIDS Volume:

- 95% ± 1%

V.O.C

- Volatile organic compounds content is 48 grams per liter.

FLASH POINT

- ASTM D-56, TCC
- Above 179°F (82°C)

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STORAGE STABILITY

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

CLEANER

T-5110 VOC compliant 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 Silicone Spray Guide for more information. or cold weather application, keep material stored above 65°F (18°C). Recoat time is between 4 to 48 hours. Longer recoat times will result in poor intercoat adhesion and delamination.

CLEAN-UP

Clean spray equipment with SPEC Tech T-5110 thinner. Recirculate through lines and gun until residual **SPEC Tech T-20** is removed.

CURE

Applied coating will cure in 1 to 4 hours depending on temperature and humidity.

CAUTION

SPEC Tech T-20 is considered combustible. Keep away from heat, sparks and open flame. Avoid prolonged breathing of vapors and prolonged or repeated skin contact. Use only with adequate ventilation.

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