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GACO WESTERN

Product Data Sheet:

S-20

November 2007
Supersedes 04/07



GACOSIL S-20 SINGLE COMPONENT SOLVENTLESS SILICONE COATING

- DESCRIPTION:** GacoSil S-20 Series are single component elastomeric waterproofing moisture curing silicone coatings. GacoSil S-20 Series are petroleum-free coatings.
- Standard specification for liquid applied silicone coating used in spray polyurethane foam roofing.
- USAGE:** GacoSil S-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:** S-2000 white, S-2022 medium gray and S-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) | Strength: | 463 psi
(3.19MPa) |
| Elongation: | 150 % ± 10 | Elongation: | 125% |
| Permanent Set At Break: | Approx. 1% | Permanent Set At Break: | 0% |
- TEAR RESISTANCE:** ASTM D-624 DIE C
- | | | |
|---------|-----------------------|-----------------------|
| Lb./In. | 21 pli (3.8 kg(f)/cm) | 11 pli (2.0 kg(f)/cm) |
|---------|-----------------------|-----------------------|
- HARDNESS:** ASTM D-2240
- | | |
|------------|------------|
| 55 Shore A | 56 Shore A |
|------------|------------|
- WATER VAPOR PERMEABILITY:** ASTM E-96
- | |
|---|
| 5.3 perms |
| Procedure B at 0.5 mm (20 mils) thickness ± 10% |
| Minimum permeance requirement is 2.5 U.S. perms |
- S-2000 Immersed in Water @150°F(66°C) for 1 year per ASTM D-471:

*Waterproofing and Insulating our World, from NASA to your Neighborhood,
Gaco Western has you Covered with Innovative Solutions.*

ADHESION: Excellent adhesion to polyurethane foam.

FLAMMABILITY: ASTM E108 Class A

REFLECTANCE: ASTM C-1549 0.88
S-2000 White

EMITTANCE: ASTM C-1371 0.87
S-2000 White

PACKAGED PRODUCT DATA

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

SOLIDS: Weight: Method 4041 96.5% ± 1%
Fed. Std. 141

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)

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

CLEANER: Gaco Western's 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 Gaco Western's Silicone Spray Guide SG-Silicone for more information.

For 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 GacoFlex T-5110 thinner. Recirculate through lines and gun until residual GacoSil is removed.

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

CAUTION: GacoSil S-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.