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GACO WESTERN

Product Data Sheet:

S-10

April 2007

Supersedes 02/07



GACOSIL S-10 SINGLE COMPONENT SILICONE COATING

DESCRIPTION: GacoSil S-10 Series are single component elastomeric waterproofing moisture cure silicone coatings. GacoSil S-1000 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.

Available in SCAQMD compliant version.

USAGE: GacoSil S-10 is designed as a protective coating for spray-in-place polyurethane foam. For all other substrates, contact Gaco Western.

LIMITATIONS: GacoSil S-10 should not be applied to the exterior of refrigerated tanks.

COLOR: S-1000 white, S-1022 medium gray, S-1048 tan.

APPLIED PRODUCT DATA

WEATHERABILITY: Excellent durability, color stability and chalk resistance.

CHEMICAL RESISTANCE: Excellent solvent and chemical resistance. Change in % after exposure
EMMAQUA, ASTM G90-94
401 days @ 86 °F (30°C)

TENSILE: ASTM D-412-68

Strength:	480 psi (3.31 MPa)	0%
Elongation:	200 % ± 10	-9%
Permanent Set At Break:	Approx. 1%	-17%

TEAR RESISTANCE: ASTM D-624 DIE C
Lb./In. 40 pli (7.2 kg(f)/cm) -30%

HARDNESS: ASTM D-676 50 Shore A 0%

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

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

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

ADHESION: Excellent adhesion to polyurethane foam.

REFLECTANCE: ASTM C-1549 0.89
S-1000 White

EMITTANCE: ASTM C-1371 0.89
S-1000 White

PACKAGED PRODUCT DATA

COVERAGE: Sq. Ft./Gal./Mil 1091 (26 m²/L/.02mm)

SOLIDS: Weight: Method 4041 80% ± 1%
Fed. Std. 141
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: Gaco Western's 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 Gaco Western's Silicone Spray Guide SG-Silicone 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 GacoFlex T-5135 thinner. Recirculate through lines and gun until residual GacoSil is removed.

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

CAUTION: GacoSil S-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 ventilation.