



Product Data Sheet:

GacoPro GP1600

March 2013

GACOPRO GP1600 SERIES

SINGLE COMPONENT LIQUID APPLIED SILICONE COATING

DESCRIPTION: GacoPro is a single component; cold liquid applied elastomeric air dry silicone coating that can be applied year round on properly prepared substrates. GacoPro meets the requirements of ASTM D 6694.

GacoPro GP1600 (white) meets the requirements for the Energy Star reflectance performance requirements for both low and high-sloped roofs and the requirements for the Cool Roof Rating Council. GacoPro GP1600 (white) meets solar reflectance and thermal emittance requirements for: the 2012 International Energy Conservation Code (IECC); the ASHRAE 90.1 Energy Standard for Building Except Low-Rise Residential Buildings; and the California Building Energy Efficiency Standard CEC-400-2008-001-CMF, as adopted as Part 6 of Title 24.

This product is listed by Underwriters Laboratory.

Available in SCAQMD compliant versions.

USAGE: GacoPro is designed as a protective coating to seal and repair existing flat & low pitched roofs and permanently protect against leaks, permanent ponding water, and the damaging effects of severe weather.

LIMITATIONS: Surface coverage varies. GacoPro application over tar and gravel may require multiple coats to create a seamless membrane.

COLOUR: GP1600 White, GP1628 Grey,

APPLIED PRODUCT DATA

WEATHERABILITY: Excellent durability, colour stability and chalk resistance.

CHEMICAL RESISTANCE: Excellent chemical resistance.

TENSILE: ASTM D-412

Strength: 300 psi (3.31 MPa)

Elongation: 150%

Permanent Set At Break: ≈1%

TEAR RESISTANCE: ASTM D-1624 DIE C 32 lb/inch

HARDNESS: ASTM D-676 50 Shore A

WATER VAPOR ASTM E-96 0.06 perms-inches
PERMABILITY: Method B, 100% R.H. difference

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

ADHESION: Bonds to aged weathered felt, asphalt, asbestos, steel, lead, concrete, sprayed polyurethane foam, tar and gravel, modified bitumen, built-up, cap sheet, WPB Plywood, fibreglass, composite, torch down, aged Single Ply, EPDM rubber, and TPO on flat or sloped roofs. (All surfaces must be clean & dry)

REFLECTANCE: ASTM E-903 85% (GP1600 White Only)

EMITTANCE: ASTM E-903 88% (GP1600 White Only)

PACKAGED PRODUCT DATA

COVERAGE: 1110 Sq. Ft./Gal/Mil (27.2 Sq. Meters/Litre/0.025mm)

APPLIED 100 Sq. Ft./Gallon (9.3 Sq. Meters/3.8 L) to yield 11 dry mils on a smooth surface. Coverage rate
COVERAGE: may decrease on textured or rough surfaces, and more coating will likely be used on first coat than on additional coats. Smooth roofs can be completed in 2 coats, lightly textured surfaces often require 3 coats, and heavily textured surfaces may require 4 coats to achieve a final 22 mil film build.

SOLIDS: Weight: Method 4041 80% ± 1%
Fed. Std. 141

Volume: 69% ± 1%

V.O.C: Volatile organic compounds content ≤240 g/L
SCAQMD compliant version is 32.2 g/L

FLASH POINT: ASTM D-56 102°F (39°C)

STORAGE STABILITY: Three years from date of manufacture when stored in unopened containers between 40°-85°F (4°-29°C).

APPLICATION

PRIMER: None normally required. If roof has been patched with any asphalt or black tar-like products within the last 12 months, a coat of GacoFlex E5320 2-Part Epoxy Primer/Filler is recommended to prevent bleed-through staining on the final coats. To verify adhesion, use the GacoPro Adhesion Test Kit, which provides results in just 24 hours. If the test reflects poor adhesion, prime all surfaces with GacoFlex E5320 2-Part Epoxy Primer/Filler according to label directions.

MIXING: Mix before application to assure uniform colour and consistency. Power mixing is recommended for quantities greater than 1 gallon (3.8 L).

APPLICATION: Apply by roller or brush as received. Airless spray requires air driven pump with ratio no less than 65:1. For cold weather application, keep material stored above 65°F (18°C). Ensure that previous applications of GacoPro are clean, dry and well cured before recoating.

CLEAN UP: Application tools and equipment can be cleaned with GacoFlex Silicone Solvent or 100% Pure Mineral Spirits. DO NOT USE WATER OR RECLAIMED SOLVENTS.

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- MAINTENANCE:** Once a container of GacoPro is opened, the curing process has started. Use the entire product on your project if possible. Close can lid to store product. Some skinning will occur. For next application, remove 'skin' stir well and apply. Allow any remaining product in the container to solidify and dispose of in the proper manner.
- Roof structures may settle over time. A periodic inspection of your roof, which includes transition areas, flashing, vents and skylights, is recommended. Keep drains cleared at all times.
- Roofs become slippery when wet. Use extreme caution. Consider use of GacoFlex Walkpad for walkways in areas of regular maintenance traffic.
- Do not recoat GacoPro with acrylic, urethane or Hypalon® coatings. Recoat cleaned GacoPro only with more GacoPro.
- DRY TIME:** Allow the first coat to dry for 3 to 12 hours. Apply second coat as soon as the first coat can be safely walked on.
- CAUTION:** GacoPro contains solvent and is combustible. Keep away from heat, sparks and open flame. Avoid prolonged breathing of vapours and prolonged or repeated skin contact. Use only with adequate ventilation.