Gaco™

Product Data Sheet (PDS):

GacoFlex™ SF4200 SeamSeal
Revised: 04/2024

GACOFLEX™ SF4200 SEAMSEAL™ SILICONE-BASED SEALANT

A. PRODUCT DESCRIPTION:

GacoFlex SF4200 SeamSeal is a high adhesion, silicone-based, solvent-free, single-component waterproof elastomeric moisture-curing sealant combined with a reinforcing agent.

B. RECOMMENDED USE:

GacoFlex SF4200 SeamSeal is intended for use as a flashing material, joint and fastener sealant in GacoFlex S42 Series High Adhesion Silicone coating systems. SeamSeal may also be used as a repair material on various substrates, including: metal roofs, spray polyurethane foam, as a liquid-tape seal over cracked polyurethane foam insulation, and as filler for applications over existing “alligatored” smooth Built-Up Roofs

C. LIMITATIONS:

Not intended to be used to repair blisters in polyurethane foam larger than 4 in (100 mm) in diameter. Contact Technical Services prior to the application of a GacoFlex coating system over polyurethane foam substrates with extensive blistering. Should not be used to bridge gaps larger than ¼ in (6 mm) without additional embedded fabric reinforcement.

D. PACKAGED PRODUCT DATA*:

PROPERTY	*DESCRIPTION*	
COLOR	White	
WEATHERABILITY	Excellent durability, color stability and chalk resistance	
TOXICITY	Not for use in contact with edible substances or potable water.	
ADHESION	Excellent adhesion to GacoFlex silicone coatings, polyurethane foam (including GacoFlex F2733 GacoRoofFoam™), Smooth Built-Up membranes (including mineral surface cap sheets), weathered single ply, APP, E5320 2-Part Epoxy Primer/Filler and A4271 BleedTrap™ Base Coat. Metal panels with factory-applied finishes should be primed with E5320 2-Part Epoxy Primer/Filler. Aluminum and galvanized steel should first be tested for adhesion and primed with E5320 2-Part Epoxy Primer/Filler as needed. Oxidized metals should be abraded to remove surface rust and primed with a rust-inhibiting primer to help prevent corrosion from spreading.	
THEORETICAL COVERAGE	4 gallons per 100 ft². (15.1 L per 9.3 m²	
SOLIDS	NOTE: Actual coverage may be less due to surface profile, losses due to overspray and wind, and residual coating left in the container.	
V.O.C.	96 % by Weight, 94.4 % by Volume	
FLASH POINT	Test Method: ASTM D3278	Value: 169 °F (76 °C)
STORAGE STABILITY	Two years from date of manufacture when stored in sealed containers between 0 °F – 80 °F (-17 °C – 26 °C)	

E. APPLIED PRODUCT DATA:

PROPERTY	*TEST*	*RESULT*
TENSILE STRENGTH	ASTM D2370 Initial Tensile Strength Elongation	--- 145 psi 63%
TEAR RESISTANCE	ASTM D624 Die C	19 lb / in² (8.6 kg / 25 mm²)
HARDNESS	ASTM D2240 Shore A	55
WATER VAPOR PERMEANCE	ASTM E96 Procedure B	5.86 perms
WET ADHESION TO POLYURETHANE FOAM	ASTM D903	5 lb / linear in
LOW TEMPERATURE FLEX	ASTM D522 Method B	Under testing

F. INSTALLATION INSTRUCTIONS:

STAGE	*DESCRIPTION*
MIXING	Mix before application to ensure uniform color and consistency.
THINNING	Product is not intended to be thinned.
PRIMER	Existing silicone coatings should not be primed. A rust-inhibiting primer may be used on ferrous metal substrates to help prevent corrosion from spreading. GacoFlex A4271 BleedTrap Base Coat may be used over asphaltic surfaces to reduce the potential for discoloration caused by oil migration into the SF4200 Seam Seal. NOTE: BleedTrap Base Coat is required for warranted applications of GacoFlex silicone coating systems over SBS substrates.
APPLICATION	Apply by brush, trowel, piping bag or roller as received. For application utilizing equipment, contact Gaco. Keep material stored above 65 °F (18 °C). Do not apply if rain is expected within one (1) hour. For application in temperatures below 40 °F (4 °C) or above 120 °F (49 °C), contact Technical Services. Apply SF4200 SeamSeal on all roof seams and laps at a rate of 75 – 100 linear ft / gal (23 – 30.5 m / 3.8 L). For metal roof applications, secure fasteners or replace with oversize screws and encapsulate with SF4200 SeamSeal at a rate of 400-450 fasteners / gal (7.6 L). Coat all surfaces including expansion joint covers and flashings. Extra material is required at all edges and penetrations if neoprene sheet flashing is not used. NOTE: Application rate is job-specific. Additional material may be required due to surface profile, wind and residual coating remaining in the container.
DRY TIME	Allow to cure for a minimum of 4 hours at 55 °F (13 °C) or higher before coating with GacoFlex Solvent-Free Silicone Coating. SF4200 SeamSeal is moisture cure; low ambient humidity will result in longer dry times. Coat SF4200 SeamSeal with a GacoFlex S42 silicone coating within four (4) to forty-eight (48) hours.
CLEAN UP	Clean up application tools and equipment with GacoFlex Silicone Solvent. DO NOT USE WATER OR RECLAIMED SOLVENTS.

** For specific Safety and Health information please refer to the appropriate Safety Data Sheet that is associated with this product & published on Gaco.com.*