



**GE Silicones**

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## SCM3402/SCM3404/SCM3405/SCM3408

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### ***SCM3402, SCM3404, SCM3405, SCM3408*** ***Silicone Coating Material for Roof Application***

#### **Product Description**

SCM3402/SCM3404/SCM3405/SCM3408 are one-part silicone materials specifically designed for use in roofing applications as the weatherseal coating in silicone coated, spray applied urethane foam roofing systems. SCM3402/SCM3404/SCM3405/SCM3408 are specified for use with roofing granules in the top coat when used in GE's roofing system and applied by a GE authorized applicator.

#### **Key Performance Properties**

SCM3402/SCM3404/SCM3405/SCM3408 are one component materials requiring no mixing and can be applied by spray, roller, or brush. Fast cure rate, 15 to 30 minute skinover time provides adequate time for granule application. 1-2 hour tack free time assures adequate cure at the end of the application day.

The low spraying viscosity of SCM3402/SCM3404/SCM3405/SCM3408 assures easy spraying with airless spray systems using a minimum 25:1 ratio air motor driven pump. Cracks and grooves fill easily. High static viscosity assures material stays where it is sprayed. It won't flow off high spots or vertical areas on parapets.

SCM3402/SCM3404/SCM3405/SCM3408 are VOC compliant. 200g/liter mineral spirits content assures compliance in most areas of California, greater New York City, New Jersey (verify compliance in location of use).

### Typical Product Data

Property	Value	Test Method
Density, lbs/gallon	10.45	WPSTM P-14
Color SCM3404	Medium Gray	Visual to Standard
SCM3408	Dark Gray	WPSTM C-19
SCM3405	Tan	
SCM3402	White	
Solids Content, % by volume	65	
% by weight	80	
Tack Free Time, hours	2	WPSTM E-86
Skinover Time, minutes	30	WPSTM C-560
Viscosity, centipoise	9000	WPSTM C-560
Tensile Strength, psi	200	ASTM D-412
Elongation, %	400	ASTM D-412
Peel Strength, lbs/inch	27	WPSTM C-628
Hardness, Shore A	32	ASTM D-2240

### Specifications

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting GE Silicones at 800/255-8886.

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® TEFLON is a Registered Trademark of DuPont.

### Instructions for Use

SCM3402/SCM3404/SCM3405/SCM3408 may be applied by spraying, rolling or brushing to clean, dry, structurally sound surfaces. For best results ambient temperature should be between 50 and 80 degrees F. Lower temperatures will lengthen the skinover, tack free, and ultimate cure time. Higher temperatures will shorten the cure time and working time for proper application of granules before the material has skinned. Sudden temperature declines may also result in dew formation on surfaces which can prevent adhesion development. For best results, relative humidity should be above 20%. Lower humidity will slow the cure rate significantly.

Care should be taken to avoid overspray. All overspray should be cleaned up immediately and before it has cured by wiping alternately with mineral spirits and dry rags. Cured material may have to be scraped off surfaces with a razor blade or scrubbed off with steel wool and mineral spirits. To control overspray, avoid spraying in high winds (above 15 mph) and/or mask all surfaces which are not to be coated.

Cleanup of equipment containing uncured material may be accomplished by flushing with mineral spirits. SCM3402/SCM3404/SCM3405/SCM3408 should not be left in pumping equipment and hoses for prolonged periods of time

unless all hoses are TEFLON® lined, all piping connections are sealed with teflon and all pump seals are teflon. SCM3402/SCM3404/SCM3405/SCM3408 cures by reacting with moisture. Equipment without teflon lining and seals will transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections. This may result in increasing operating pressures and material flow restriction.

SCM3402/SCM3404/SCM3405/SCM3408 are identical products except for color. When applying in two or more coats it is advantageous to use alternating colors to assure uniformity of coverage.

## **SURFACE PREPARATION**

SCM3402/SCM3404/SCM3405/SCM3408 may be applied over properly cured, structurally sound, clean and dry polyurethane foam. Loose particles of foreign matter should be blown, brushed or vacuumed away. Surface must be smooth and flat enough to prevent puddling of water on the finished roof. Large holes should be patched with polyurethane foam, allowed to cure then ground off flush with adjacent surfaces. Smaller holes may be filled with SilPruf® or UltraPruf™ sealants before application of the roof coating. Before applying roof coating be sure surface is also free of moisture and that at least 2 hours of adequate temperature and humidity remain before the onset of nightfall or inclement weather.

SCM3402/SCM3404/SCM3405/SCM3408 may be applied directly over each other and over most other silicone roof coatings. When recoating older silicone coated roofs be sure the surface is clean, dry, structurally sound and that all holes and underlying damage has been properly repaired. The existing coating may have to be power washed with an appropriate surfactant solution then power rinsed to remove dirt. It is recommended that a test patch be cleaned and coated with SCM3404/SCM3408 to verify the effectiveness of the cleaning process and the adhesion to the surface prior to beginning the job.

SCM3402/SCM3404/SCM3405/SCM3408 may be sprayed as received. Additional dilution with solvent is neither necessary nor desirable. On horizontal surfaces these materials may be sprayed easily in thicknesses up to 15 or 20 mils or more without flowing or alligatoring.

Consult the GE Silicones Roofing System Suggested Specifications For New or Retrofit Roofing, document #4549, for additional application information.

### **Handling and Safety**

Material Safety Data Sheets are available upon request from GE Silicones. Similar information for solvents and other chemicals used with GE products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed.

**Storage and Warranty  
Period**

The warranty period is 6 months from date of shipment from GE Silicones if stored in the original unopened container at 25°C (77°F).

**Availability**

Products may be ordered from GE Silicones, Waterford, NY 12188, the GE Silicones' sales office nearest you or where appropriate, an authorized GE Silicones' product distributor.

**Government Requirement**

Prior to considering use of a GE Silicones' product in fulfilling any government requirement, please contact the Government and Trade Compliance office at 413-448-4624.

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