Technical Data Sheet

GT 6759 High Solids Silicone Roof Coating

Description

GT 6759 is a high solids, single component moisture cure elastomeric silicone roof coating. It contains 100% silicone polymer.

Available Colors

White, Light Gray, Dark Gray, & Terracotta.

Benefits

- Ready-to-use
- Highly elastomeric
- Breathable membrane
- Solvent free / diluent free
- Superior weather and water resistance properties
- Excellent, long term durability
- Solvent and chemical resistant; UV stable
- High temperature resistance (up to 350 F)

Applications

- Ideal for use as a maintenance coating system to seal and repair existing roofs
- Provides a seamless water seal, protection against leaks, permanent ponding water and the damaging effects of severe weather on roofs and other substrates including:
  - Masonry
  - Concrete
  - Metal
  - Vertical walls
  - Single-ply membranes
    - TPO
    - PVC
    - Hypalon
    - EPDM
    - Modified-bitumen
    - Smooth surface BUR
  - Sprayed-on urethane foam

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Application Instructions

For Professional Use.

SURFACE PREP All surfaces to be coated must be clean and dry; chemical cleaners, power-washing and/or priming the surface be may be necessary to ensure optimal adhesion for some substrates.

MIXING Mix well before using until a uniform consistency and color is achieved. A power mixer is recommended for quantities larger than one gallon.

THINNING **DO NOT THIN**

WEATHER RESTRICTIONS It is recommended not to apply in temperatures less than 40 degrees Fahrenheit; do not apply if rain is expected within one hour of application. If applied in lower temperatures, the cure time may be effected.

APPLICATION EQUIPMENT This product may be sprayed, brushed, or rolled.

CURE TIME The coating can dry in 1-4 hours depending on variables such as temperature and humidity. A subsequent coat should be applied as soon as the previous one can safely be walked on.

CLEAN UP All equipment can be cleaned using 100% mineral spirits. Do not use water or reclaimed solvents.

STORAGE - OPEN CONTAINER Once the material is open, the curing process has started. Use the entire container of product on your project. Allow leftover material to solidify and dispose of according to local and state regulations.

CAUTION Roof surfaces may become slippery when wet.

Certifications
UL 790 (ASTM E 108)
ASTM D 6694
FM 4474
CRRC
NSF P151
Miami Dade Approved
Florida Approved

Recommended Application Rates	
PVC	1.5 gal/100 ft^2
Applied Mod. Bitumen Smooth	1.5 gal/100 ft^2
Applied Mod. Bitumen Granular	1.5 gal/100 ft^2
BUR	1.5 gal/100 ft^2
Galvanized Steel	1.5 gal/100 ft^2
EPDM	1.5 gal/100 ft^2
TPO	1.5 gal/100 ft^2

Storage & Handling

For safe handling practices, refer to the product Safety Data Sheet. For best results use within two (2) years of date of manufacture; store in unopened containers between 40 - 85 F (4 - 29 C).

Packaging

GT 6759 is available in 5 gallon pails or 50 gallon drums.

Typical Properties*

PROPERTIES	ASTM TEST METHOD	GT 6759 TYPICAL PROPERTIES
Volume solids, %	D 2697	93 Min
Solids content, %	D 2369	93 Min
Initial Tensile strength @ 73 F, psi	D 2370	>150
Initial Elongation @ 73 F, %	D 412	>100
Initial Tensile strength @ 0 F, psi	D 2370	>150
Initial Elongation @ 0 F	D 412	>100
Elongation after 5,000 hours accelerated aging @ 73 F	G 154 cycle D 412	>140
Elongation after 5,000 hours accelerated aging @ 0 F		>124
5,000 hours accelerated weathering	G 154 cycle D 6694	No cracking or checking
Permeance @ 73.4 F / 50% RH, US perms	E 96	>2.5
Wet adhesion to SPF, pli	C 794 D 903	≥2
Tear strength, Die C, lbf/in	D 624	≥ 20
Low temperature mandrel bend @ -15 F	D 522	Pass
Specific gravity @ 77 F		1.30 +/- .04
Tack free time		≥1-2 hrs
Skin over time		≥1-4 hrs depending on Temp and %RH
VOC (EPA Method 24), g/l		<50
Flash point		75 C (167 F)
Temperature stability range		-50 C - 176 C (-67 F - 350 F)
Initial SRI value		112
3 year aged solar reflectivity	C 1549	TBD
3 year aged thermal emissivity	C 1371	TBD
3 year aged SRI value		TBD
Shelf life	24 months	24 months

NSF Certification Requirements

Final cure time	30 days
Recoat cure time	24 hours
Dry film thickness	20 mils

* These properties are not intended to be used as specifications but only as suggested characteristics

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