



Technical Data Sheet

GT 6759 Silicone Roof Coating

DESCRIPTION

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

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 300 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
- Vertical walls
- Single-ply membranes
- TPO
- PVC
- Hypalon
- EPDM
- Modified-bitumen
- Smooth surface BUR
- Sprayed-on urethane foam

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 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.

Storage & Handling

For safe handling practices, refer to the product Safety Data Sheet. For best results use within one (1) year of receipt; store in unopened containers between 40 - 85 F (4 - 29 C).

Packaging

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

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Preliminary Typical Properties*

PROPERTIES	ASTM test method	ASTM D 6695 requirements	GT 6759 typical properties
Brookfield viscosity @ 73.4 F, cps	D 2196	3500-50,000	8,000-12,000
Volume solids, %	D 2697	57 Min	95+/- 1
Solids content, %	D 2369	NR	95+/- 1
Initial Tensile strength @ 73 F, psi	D 2370	150 Min	> 220
Initial Elongation @ 73 F, %	D 412	100 Min	>200
Initial Tensile strength @ 0 F, psi	D 2370	150 Min	>250
Initial Elongation @ 0 F	D 412	100 Min	>200
Elongation after 1,000 hours accelerated aging @ 73 F	G 154 cycle D 412	NA	TBD
Elongation after 1,000 hours accelerated aging @ 0 F		NA	TBD
Elongation after 5,000 hours accelerated aging @ 73 F		NA	TBD
Elongation after 5,000 hours accelerated aging @ 0 F		NA	TBD
5,000 hours accelerated weathering	G 154 cycle D 6694	No cracking or check- ing	No cracking or checking
Permeance @ 73.4 F / 50% RH, US perms	E 96	2.5 Min	> 5.0
Wet adhesion to SPF, pli	C 794 D 903	2.0 Min	≥ 2
Tear strength, Die C, lbf/in	D 624	20 Min	≥ 20
Low temperature mandrel bend @ -15 F	D 522	Pass	Pass
Specific gravity @ 77 F		NA	1.27 +/- .04
Tack free time		NA	≥ 1-2 hrs
Cure time		NA	≥ 1-4 hrs depending on Temp and %RH
VOC (EPA Method 24), g/l		40	< 50
Flash point		NA	75 C (167 F)
Durometer hardness, shore A	D 2240	45-55	40-50
Temperature stability range		-80 F to 250 F	-55 C to 100 C (-67 F to 212 F)
Flame spread	E 108	Class A	Meet or exceed fire rating of the sub- strate over which it is applied
Initial solar reflectivity, %	C 1549	88	88
Initial thermal emissivity, %	C 1371	91	90
Initial SRI value		112	112
3 year aged solar reflectivity	C 1549	NA	TBD
3 year aged thermal emissivity	C 1371	NA	TBD
3 year aged SRI value		NA	TBD
Shelf life		12 months	12 months

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