



Description:

Diathon® QS Roof Coating is an advanced acrylic elastomer coating that provides durability, reflectivity (white only) and protection against the damaging effects of weather elements and UV rays. The quick set formulation provides a more rapid skin-over time than GAF Diathon® Roof Coating, which helps to prevent wash-off from a light rain or dew in 30 to 60 minutes depending on ambient temperature and humidity.

Approved Substrates:

New and existing Spray Polyurethane Foam (SPF).

Packaging Sizes:

- 5 gallon (19 liter) pail
- 55 gallon (208 liter) drum
- 275 gallon (1041 liter) tote

Storage and Shelf Life:

Product Storage Temperature: 50°F – 90°F (10°C – 32°C) do not allow coating to freeze.

Shelf Life: 18 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area.

Application Instructions:

Substrate Preparation: Roof must have positive drainage, and be clean and dry with no trapped moisture. Repair damaged SPF, flashings, and penetrations. Conduct test patches to verify adhesion of coating prior to start of work.

Mixing: Mix uniformly for 3 minutes prior to use. Do NOT attempt to thin or self-tint.

Application: Apply by brush, roller, or airless sprayer evenly at the rate of 2 gallons per 100 ft². Do NOT apply more than 1.5 gallons per 100 ft² (6.1 L per 10 m²) in a single coat. Apply additional coats perpendicular to the previous coat once it is dry enough to walk on. Total coverage is dependent on the substrate. See Limited Warranty on GAF Silicone Roof Coatings at gaf.com for complete coverage and restrictions.

Warranty:

Refer to applicable warranties and guarantees, available at gaf.com, for complete coverage and restrictions.

Limitations and Precautions:

Application Air Temperature: min. 50°F (10°C). Do not heat containers.

Application Surface Temperature: 50°F (10°C) and rising. Care should be taken when coating surfaces above 120°F. Contact GAF Design Services if you have application questions. Do NOT apply if rain, dew, fog, heavy moisture, condensation, or freezing temperatures are in the 8-hour forecast to ensure proper cure. Cool temperatures/high humidity may slow curing.

Safety and Handling:

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

Clean Up:

Use water and soap to thoroughly flush equipment.



Visit gaf.com

For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com

We protect what matters most™



Physical Properties — (ASTM D 6083-21)

Liquid Physical Property Requirements

Type	ASTM Test Method	ASTM Minimum Values (Type 1)	Test Values*
Volume Solids	ASTM D2697	≥50%	55%
Weight Solids	ASTM D1644	≥60%	66%

Film Physical Property Requirements

Type	ASTM Test Method	ASTM Minimum Values (Type 1)	Test Values*
Initial Percent Elongation	ASTM D2370	Min. 100% @73°F	226%
Initial Tensile Strength	ASTM D2370	Min. 200 psi @73°F	224 psi
Final Percent Elongation	ASTM D2370	Min. 100% @73°F	Pass
Permanence	ASTM D1653	Max. 50 perms	5.7 U.S. Perms @ 20 mils (508 microns)
Accelerated Weathering	ASTM D4798	No cracking/checking	No cracking/checking
Adhesion	ASTM D903	Min. 2.0 pli wet	Pass
Low Temperature Flexibility	ASTM D522	Min. Pass 0.5" mandrel -15°F	Capable of withstanding 180° bends over a 3/16" (5 mm) mandrel @ -21°F (-30°C).

Additional Physical Properties

Type	ASTM Test Method	Test Values*
VOC	—	<25 g/L
Hardness	ASTM D2240	55-65 Shore A
Dry Time	ASTM D 5895	5 hours at 75°F (24°C), 50% R.H. White @ 16 wet mils Dry times will increase with lower temperature and/or higher humidity.
Service Temperature Limits (Installed Coating)	—	-30°F – 200°F (-35°C – 93°C)
Standard Colors	—	White and Light Gray

Approvals



UL Listed

ANSI/UL 790 Class A. Refer to UL Product iQ for actual assemblies.

* Values are approximate and subject to normal manufacturing variations. These values are not guaranteed and are provided solely as a guide