

FORTICOAT SILICONE F1



100% Solids, Silicone self-leveling fill material.

For Professional Use Only

DESCRIPTION

- A high-solids, single component, moisture-cure silicone fill material that's ready to use.
- Best-in-class flexibility ensures long-term crack resistance even in high-movement situations. Excellent shelf life, typically no mixing required for up to 6 months.
- Self-leveling formulation.
- Superior weathering and excellent water resistance in a breathable membrane.
- Exceptional adhesion to FortiSystems Bleed Block primers.
- Designed to be top coated with FORTICOAT SILICONE HB silicone.

RECOMMENDED USES

FORTICOAT SILICONE F1 is designed to be used to fill low areas and on properly prepared gravel roofs. Self-leveling formulation covers surface irregularities and ensures a smooth surface for topcoat application.

Property	Test Method	Result
Tensile Strength	ASTM D-2370	180 PSI @ 73°F ± 20
Elongation: (break)	ASTM D-2370	500% @ 73°F ± 50
Tear Resistance: (Die C) lb f/in	ASTM D-624	20
Permeance US Perms	ASTM E-96 (Procedure B)	6.7
Temperature Stability Range		-80°F to 350°F (-37C to 177C)
Weathering/UV Resistance	ASTM D-6694	No degradation 5000 hours
Specific Gravity		1.30 @ 77°F (25C.)
Tack Free Time	Tem. & Humidity Dependent	20-30 min.
VOC	ASTM D-3960 EPA Method 24	<50 Grams/Liter
Durometer Hardness	ASTM D-2240 Shore A	36
Solids Content by Weight	ASTM D-1644	99%
Solids Content by Volume	ASTM D-2697	99%
Max Continuous Service Temperature		185°F (85C)
Shelf Life - Unopened Containers	6 Months	Stored @ 35°F to 75°F

COLORS

Gray

SURFACE PREPARATION

General: The surface to be coated should be dry, free of dust, dirt, oil, loose granules, peeling coating, or other foreign matter. It may be necessary to power wash and/or prime to enhance adhesion.

PACKAGING/SHIPPING INFORMATION

CONTAINER SIZE

2 Gallon pail

SHIPPING CLASS

Class 55

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APPLICATION

This product may be brushed or troweled. If any contamination is present on the cured surface, it must be washed and completely dry before application of subsequent coats.

Application Properties

Yield (1 gal to 100 sq ft)	16 dry mils
Dry Time (100°F)	2 hours @ 90% Humidity
Dry Time (40°F)	8 hours @ 20% Humidity
Recoat Window	>8 hours
Complete Cure	48 hours

COVERAGE RATE

Typically applied over gravel at 48 wet mils (3 gal/sq) per coat, as necessary to achieve a smooth continuous surface.

ENVIRONMENTAL CONDITIONS

The product must not be applied when the ambient temperature is below 35° F. Application is not recommended if rain or dew is likely to occur before the product dries.

PONDED WATER

- FortiSystems coatings are not warranted to perform under ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable.
(See the NRCA Roofing and Waterproofing Manual).

LIMITATIONS

The surface must be clean and dry. *Application is not recommended on roofs with slopes less than 1/8 in 12 or where ponded water is present.* Do not apply over wet substrates or when inclement weather is imminent. In addition, this product is not recommended for use without a vapor barrier in cryogenic tanks or cold storage roofing applications or directly over modified Bitumen, asphalt, or coal tar built-up roofing systems without a sealer. This product carries Class "A" Non-Combustible and Class "B" Combustible credentials as tested under UL 790 procedures over spray foam and single-ply roofing systems.

Contact your FortiSystems representative or refer to the UL directory for specific information.

SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. Information sources include but are not limited to MSDS and product labels. More resources are available at polyurethane.org, sprayfoam.org, www.forti-systems.com, or by contacting your FortiSystems representative directly.

EQUIPMENT

Minimum requirements:

Brush

- Synthetic filament

CLEAN UP

Clean spray equipment containing uncured material by flushing with VM&P, Naphtha, or mineral spirits. FORTICOAT SILICONE HB cures by reacting with moisture. Do not leave in spray guns, pump equipment, and hoses for prolonged periods unless the equipment contains moisture lock hoses, fittings, and seals. Without these, the material will cure on hose walls and at unsealed connections possibly causing an increase in operating pressure and material flow restriction.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. Users must contact Everest Systems LLC to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Everest Systems Products. We assume no responsibility for coverage, performance, or injuries resulting from use. Liability, if any, is limited to the replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY EVEREST SYSTEMS EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.