

GreenSil Safety Yellow Silicone Coating



Overview

GreenSil Safety Yellow Silicone Coating is a singlecomponent, moisture-cured silicone coating that is specially formulated to meet low-VOC requirements. It is designed to create a high-visibility, durable walking or working surface enhancement to the rooftop. It is used with Safety Yellow Granules to create an aesthetic and non-skid surface. This system can be used to add durability and resistance to traffic and abuse in areas of the roofing system.

Features and Benefits

- Highly visible
- Long-lasting and durable
- Easy to use
- Compatible with roof coating systems

Coverage Rate

Recommended application rates are as follows:

- **Walkway Areas:** 20–25 mils dry thickness (1.5–1.7 gal./sq.) of GreenSil Safety Yellow Coating seeded with ~40 lbs./sq. of Safety Yellow Granules.
- **High Wear Areas:** 40 mils dry film thickness (2.5–2.7 gal./sq.) of GreenSil Safety Yellow Coating seeded with ~60 lbs./sq. of Safety Yellow Granules

Installation

1. All roof surfaces to be coated must be clean, dry, and paintable. It may be necessary to power wash the areas to be coated to remove dirt or other contaminants.
2. The GreenSil Safety Yellow Silicone Coating should be applied by a medium nap roller. For small touch-up work, a brush may be used. Mix well before using. No thinning or reducing is recommended.
3. It is not recommended that this product be applied at temperatures below 40°F (4°C) or if inclement weather is expected within 1 hour of application.
4. The Safety Yellow Granules will settle into the coating. Apply the granules generously. Within a few minutes, inspect the surface and reapply as needed to obtain a continuous and consistent embedment of granules
5. Uncured silicone coating can be cleaned with Rule 66
6. Mineral Spirits or VM&P Naphtha.

Review Green Shield Products specifications and details for complete installation information. Please contact GSP for more information.

Precautions

- Not recommended for use directly over asphaltic surfaces.
- Contact Green Shield Products technical department for recommendations on specific substrates.
- Silicone coatings can be slippery when wet. Exercise caution when walking on a roof with these conditions.
- Avoid breathing silicone vapors. Use an appropriate MESA/NIOSH approved respirator when exposure can exceed recommended PEL. This product is not recommended for interior use. Additional care must be taken to prevent rooftop
- HVAC equipment from introducing silicone vapors into interior areas during application.
- Remove any cured material on top prior to mixing and using the material. Once container is opened it is best to use all of the material. Always protect coating materials from exposure to the elements.
- It is not recommended to store this product at temperatures exceeding 100°F (38°C). For maximum shelf life, store between 40–70°F (4–21°C). Higher temperatures will reduce shelf life. The recommended shelf life of this product is 12 months from the date of manufacture when stored in unopened containers between 40–70°F (4–21°C).
- See Safety Data Sheet (SDS) for complete safety information.

Review Green Shield Product's specifications and details for complete installation information. Please contact Green Shield Products for more information.



Energy Efficient Building Product Solutions

877-476-7453

greenshieldproducts.com



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Typical Physical Properties

Property	Test Method	GreenSil Safety Yellow
Color		Safety Yellow
Solids by Volume	ASTM D2369	95% (+2)
Solids by Weight		95% (+2)
Specific Gravity at 25°C (77°F)		1.26
Tack-Free Time		1-2 hours
VOC		<50 grams/liter
Flash Point		61°C (141°F)
Hardness (Shore A)	ASTM D2240	37 points
Tensile Strength	ASTM D412	350 psi
Elongation	ASTM D412	174%
Permeability @ 20 Mils	ASTM E96	10.7 perms
Temperature Stability		-37 to 100°C (-35 to 212°F)
Accelerated Weathering, 5,000 Hrs.	ASTM G154	No degradation
Flame Spread	ASTM E108	Class A

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Shipping Information

Container Size	Gross Weight	Class
5-gallon pail (18.9 L)	60.5 lbs. (27.4 Kg)	55
55-gallon drum (189.3 L)	662 lbs. (300.3 Kg)	55

D.O.T. Classification:
BC - Roof Coating, Non-Regulated Protect from freezing (32°F/0°C)



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