

AlphaGuard™ Si Poly Fil

High Performance Polyethylene Fiber

FEATURES

Inert Material
Lightweight
Variable Ratio
Interlocking Fiber

BENEFITS

- Fibers will not decompose
- Easy to handle
- Customize viscosity for every application
- Improved tensile and sag characteristics

DESCRIPTION

AlphaGuard Si Poly Fil is polyethylene micro fibers designed for use with AlphaGuard Si 70 and 100 products.

BASIC USES

When mixed with AlphaGuard Si 70 or 100 products, AlphaGuard Si Poly Fil increases viscosity, tensile strength, and reduces sag creating up to a brushable mastic version of the products. This modified version is ideal for simple repairs, vertical applications, or filling of irregular surfaces.

PACKAGING

5 gal pail (18.9 L) - 6 lbs. gross weight

COLOR

White

GRADE

Loose Fibers

STORAGE

Shelf life is indefinite when stored properly.

Recommended storage is indoors in a ventilated, dry area removed from heat, open flame, ignition sources and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

APPLICATION

Surface Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Rust must be abraded until it no longer exhibits flaking or chalking. Existing wet roofing components must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

If the surface has a pre-existing coating, paint, or sealant, please contact Tremco for adhesion/compatibility testing and surface preparation recommendations.

APPLICATION
CONTINUED

ACCEPTABLE ROOF SURFACES

COVERAGE RATES

CLEAN UP

LIMITATIONS

MAINTENANCE

PRECAUTIONS

TECHNICAL SUPPORT



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Tremco Roofing & Building
Maintenance is a part of the Tremco
Construction Products Group

AlphaGuard™ Si Poly Fil

Mixing:

AlphaGuard Si Poly Fil can be added to AlphaGuard Si 70 or 100 material at a desired ratio between 20-50% by volume.

- DO NOT ADD AT A RATIO GREATER THAN 50% BY VOLUME.
- DO NOT ADD MORE THAN ONE HOUR IN ADVANCE OF APPLICATION.
- DO NOT MIX MORE THAN WILL BE USED DURING A SINGLE WORKING PERIOD.

Pails: Use a heavy duty corded power drill with Jiffy Mixer mixing blade. Mix AlphaGuard Si 70 or 100 material until product is consistent in appearance and viscosity. Do not thin. Measure and add the desired amount of AlphaGuard Si Poly Fil to the properly mixed AlphaGuard Si 70 or 100 material, then mix until fibers are evenly distributed within the product.

Priming: Primers may be needed on specific substrates/surfaces prior to application. Review the AlphaGuard Si 70, AlphaGuard Si 100, and recommended primer product data sheets for specific product and application information.

Installation: Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application.

BUR Smooth	Mod. Bitumen	Single Ply	SPUF
●	●	●	●

Will vary depending on mix ratio and usage.

Sweep or Vacuum

Not recommended for use over the following:

Roof Decks: Cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

Products/Systems: Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, corrugated or standing seam metal roof systems, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, and tar-based products.

- Not for use under continuous immersion.

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.

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