



OVERVIEW & FEATURES

Garla-Shield is a glass fibered, asphalt emulsion which contains high solids content asphalt, specially selected plasticizers, long strand glass fiber reinforcement, additional fiber reinforcement and a tightening agent to insure superior shower resistance.

Extends Roof Service Life – It's what is on top that counts, and Garla-Shield forms a thick blanket of protection over the existing roof mat. The Garla-Shield weather coat resists ultraviolet radiation, oxidation and attack by the elements to prolong the life of the existing roof surface. Additionally, Garla-Shield is UL Class "A" listed over combustible decks.

Ecologically Safe – Garla-Shield is a solvent free, water-based product that produces no harmful vapors. It can be applied over occupied, air-conditioned buildings without fear that potentially disruptive fumes will be circulated in the building.

Economical, "Quick-Dry" Application – Garla-Shield cures much faster than asphalt cut-back coatings. It can be aluminized after 30 days; cutbacks require a 60-90 day drying period. Garla-Shield is the ideal undercoat when a reflective surface is desired because it reduces total job time and labor costs.

Multi-Purpose, Smooth Surface Coating – Garla-Shield is ideal for coating alligatored, smooth surfaced built-up roofing. Its fiberglass strands enable it to bridge surface irregularities. It can also be applied over concrete and metal roofing, vertical flashing surfaces, parapets and firewalls.

APPLICATION

Garla-Shield is ready for immediate brush application from the container. The roof surface should be clean and free of dust, and preconditioning the surface with Garla-Prime is required. All weak spots, breaks or blisters should be repaired. After the preparatory work has been completed, apply Garla-Shield emulsion over the entire roof surface at a rate of 5 gal/100 ft.2 (2.0 l/m²) for smooth and with polyester 6 gal/sq. (2.4 l/m²). The application should start at the low edge of the roofing surface, and a two coat application with 2.5 gal/100 ft.2 (1.0 l/m²) per coat with smooth and 3 gal/100 ft.2 (1.2 l/m²) when using polyester is recommended. The two coats can be applied simultaneously with an overlapping application technique. Do not apply when the ambient temperature is below 40°F (4°C) or when rain is predicted.

PROPERTIES

The coating shall contain the bituminous, clay water emulsion to which chopped, continuous filament strands of glass - properly sized - are added. These ingredients shall be proportioned and processed in such a manner as to produce a mixture for spray or brush application.

Uniformity – The material shall be uniformly mixed, free of lumps and shall not show any settling, livering or show deterioration in the original sealed container. After slight stirring, material shall be smooth and uniform.

Accelerated Aging – Shall not show any indication of cracking, alligatored, loss of adhesion or become brittle after 750 hours.

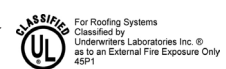
Low Temperature Ductility – Shall not crack, split, or delaminate.

Water resistance – Will not wash off after 15 minutes of continuous water spray.



Technical Data	Garla-Shield
Non-Volatile (ASTM D 2939)	Typical 51%
Density @ 77°F (25°C) (ASTM D 2939)	8.6 lbs/gal. (1.03 g/cm ³)
Viscosity @ 77°F (25°C) Krebs Stormer (ASTM D 562)	120-150 K.U.
Wet Film Thickness @ 6 gal. (22.7 l)	96 mils (2,438 microns)
Coverage Smooth With Polyester	5 gallons per 100 ft. ² (2.0 l/m ²) 6 gallons per 100 ft. ² (2.4 l/m ²)
Packaging	5 gallon pail (19 l) 55 gallon drum (209 l)
Shelf Life	12 months

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.



For more information, visit us at: www.garlandco.com

The Garland Company, Inc.
3800 East 91st Street
Cleveland, OH 44105
FAX: 216-641-0633
Phone: 216-641-7500
Toll Free: 800-321-9336

Garland Canada Inc.
209 Carrier Drive
Toronto, Ontario
Canada, M9W 5Y8
FAX: 416-747-1980
Phone: 416-747-7995
Toll Free: 800-387-5991
(Only in Canada)

Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

Garla-Shield is a trademark of The Garland Company, Inc.