GARLA-FLEX®

Garla-Flex
Technical Data Sheet

OVERVIEW & FEATURES

Garla-Flex is a high-performance, elastomeric asphaltic mastic engineered for sealing roof joints and construction details subject to significant movement. Its advanced formulation combines Styrene-Ethylene-Butylene-Styrene (SEBS) rubber, bitumen, select plasticizing oils, weather- and ozone-resistant thermoplastics, and recycled crumb rubber—delivering exceptional flexibility, durability, and environmental value.

Ideal for:

- Flashing and coping stone joint repairs
- Metal roof surface and edge repairs
- Blister and split remediation
- Stripping flashing laps
- Crowning pitch pockets

Durable & Watertight – Forms a long-lasting, flexible seal that accommodates structural movement without peeling or cracking. Once cured, Garla-Flex behaves like a moisture-proof rubber gasket. Tested per ASTM D 412, it elongates a minimum of 800% and recovers 80% from 300% elongation.

User & Contractor Friendly – Ready-to-use with no mixing, thinning, or stirring required. Typically does not require membrane reinforcement or priming. Compatible with both asphalt and coal tar roof systems, and designed for easy application even in cooler temperatures.

Sag Resistant – Maintains its shape in vertical and sloped applications, making it ideal for detailing and flashing work.

UV & Westher Resistant – Formulated with carbon black to withstand long-term UV exposure and harsh environmental conditions.

Environmentally Responsible - Incorporates recycled crumb rubber from used tires, reducing landfill waste, fire hazards, and insect breeding grounds.

APPLICATION

Surface Preparation: Apply Garla-Flex only to clean, dry, and firm substrates free of dust, grease, or loose debris. For dusty or smooth surfaces, such as bare metal, pre-treat with Garla-Prime®, an asphalt-based primer, to ensure proper adhesion.

Application Method: Garla-Flex is designed for trowel application, though it is also available in cartridges for use with standard caulking guns.

Apply evenly and smooth out with a trowel for best results at the recommended application rate of 1 gal./7 ln. ft. (8 inches wide by 1/4 inch thick). Allow Garla-Flex to cure for a minimum of 24 hours prior to painting or top-coating.Application below 40°F (4.4°C) is not recommended. Consult with your local Garland Representative prior to cold weather application.

PRECAUTIONS

- As with all cold process materials, full cure is dependent on application rate, time and temperatures. Lingering odors are expected until product achieves full cure.
- Application is not recommended below 40°F (4.4°C). For cold weather applications, consult your local Garland Representative for guidance.

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Technical Data	Garla-Flex
Sag @ 77˚F (25˚C), 1/4 in. (0.64 cm) thick (ASTM D 4586)	None
Flash Point (ASTM D 93)	102˚F (38˚C)
Non-Volatile (ASTM D 4586)	Typical 75%
Elongation, 14-day cure @ 77˚F (25˚C) (ASTM D 412)	800% min.
One-hour recovery from 500% elongation, 14-day cure @ 77˚ F(25˚ C)	90% min.
Viscosity @ 77˚ F (25˚ C) (Brookfield RVT spindle #7; 2.5 RPM)	400,000-600,000 cP
Density @ 77˚ F (25˚ C) (ASTM D 1475)	8.25 lbs./gal. (0.98 g/l)
Asbestos Content (ASTM D 276)	None
Caulking Application 1/4 x 1/4 in. joint (6.3 x 6.3 mm joint)	26 lin. ft./cartridge (8 m/cartridge)
Field Repairs 1/4 in. thickness (6.3 mm thickness)	5-6 sq. ft./ gal. (0.12-0.15 m^2/l)
Flashing Repairs 1/4 in. thickness (6.3 mm thickness)	7 lin. ft./gal. covers 8 in. wide (0.27 m/l covers 20 cm wide)
Shelf Life	12 months
Packaging	10.1 oz cartridge (300 ml) (10 cartridges per case) 3 gallon pail (11.4 l) 5 gallon pail (18.9 l)

Eco-Facts	Garla-Flex
VOC	250 g/L

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

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

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