

OVERVIEW & FEATURES

Weatherking is a cold process modified adhesive that contains advance fiber formulations to provide superior sag resistance with exceptional weatherability. A unique blend of Styrene- Ethylene-Butadiene-Styrene and Styrene-Isoprene-Styrene (SEBS and SIS) modifiers maintain flexibility and provides excellent UV resistance and heat stability. A Weatherking roofing system is constructed with multiple plies of Garland's HPR® Tri-Base Premium, HPR Glasbase, HPR Premium Glasbase, or one of Garland's 2-Ply modified base sheets. It can also be used with two plies of approved generic base sheets with a top ply of an approved Garland modified membrane. The result is a high-performance, cold applied built-up roof system with an outstanding lifespan that functions equally well on flat surfaces and slopes up to 3:12 for Weatherking and 2:12 for Weatherking Plus WC.

Long-Term Security from Multi-Ply Construction - The Weatherking system combines the strength and proven performance of a multi-ply configuration with the durability of an elastomeric roof system. It offers an effective roof replacement solution in areas where hot asphalt or torch systems are not practical. This high-performance roofing system represents a concerted development effort by Garland researchers combined with years of practical problem-solving field experience.

Superior Polymers and Sag Resistance - Advanced fiber formulation provides excellent slope resistance allowing Weatherking to be applied on slopes up to 3:12. This unique polymer blend includes both SEBS and SIS rubber which allows Weatherking Plus to maintain flexibility and offer improved UV resistance.

Superior Puncture and Abrasion Resistance - Because of the added density of the coated base sheet, the Weatherking system is thicker and stronger than conventional single-ply. The thicker the roof system is, the better it is equipped to combat puncture and abrasion. Furthermore, the Weatherking system is Factory Mutual Class 1A approved when installed according to published guidelines.

Cold Process Formulation - Weatherking modified adhesive is VOC compliant to ensure that excessive amounts of solvent vapors are not released into the atmosphere. The use of Weatherking also eliminates the need for kettles and torches on roof applications. This environmentally friendly product meets VOC regulations to ensure that excessive amounts of solvent vapors are not released into the atmosphere.

Reduces Risk During Application - Applied by up-to-date, easy handling techniques, the Weatherking systems speed up installation, and thereby effectively reduce labor time on the roof. On small jobs, or when your Garland Representative determines that only partial roof replacement is necessary, cold-applied Weatherking systems installation costs are less since no heavy equipment or large crew is required.

APPLICATION

Starting at the low point on the roof, the salvage edge of the sheet shall be "up slope." Unroll cap sheet and base sheet and allow to relax, this will aid a flat uniform application - re-roll prior to application. Snap chalk lines in areas where application of the adhesive to the sheet will occur. Pour a liberal amount of the adhesive on the roof substrate and then using flat or a 1/8" notched squeegee, spread out the adhesive covering the entire substrate at a minimum application rate of 2 to 2.5 gallons per 100 sq. ft. (0.82- 1.02 l/m²). Uneven surfaces may require additional adhesive.

Unroll the sheet into the wet adhesive and repeat the adhesive application procedure for the next roll/sheet covering any head or side laps as required. If desired, the adhesive can be applied to the side laps and head laps with a 4" (101 mm) wide medium nap roller. If curling occurs on the head laps, adhesive can be applied to both bonding surfaces. This will hold the head laps in place. Apply a temporary weight if necessary.

PRECAUTIONS

As with all cold process materials, full cure is dependent upon application rate, time and temperatures. Lingering odors are expected until product achieves full cure.

Weatherking®

Technical Data	Weatherking	Weatherking Plus WC
Non-Volatile (ASTM D 4479)	Typical 70%	Typical 78%
Density @ 77°F (25°C) (ASTM D 1475)	8.9 lbs./gal. (1.07 g/cm ³)	9 lbs./gal. (1.07 g/cm ³)
Flash Point (ASTM D 93)	min. 100°F (37.7°C)	min. 100°F (37.7°C)
Viscosity Stormer (ASTM D 562)	400 – 500 grams	900 – 1100 grams
Slope Limitations	3:12	2:12
Shelf Life	1 year	1 year
Coverage Interply Flood Coat	2 – 2.5 gal/100 ft. ² (0.82 – 1.02 l/m ²) 4 – 5 gal/100 ft. ² (1.63 – 2.04 l/m ²)	2 – 2.5 gal/100 ft. ² (0.82 – 1.02 l/m ²) 4 – 5 gal/100 ft. ² (1.63 – 2.04 l/m ²)
Packaging	5 gallon pail (18.9 l) 55 gallon drum (208.2 l)	5 gallon pail (18.9 l) 55 gallon drum (208.2 l)

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

Eco-Facts	Weatherking	Weatherking Plus WC
VOC	300 g/l	250 g/l
Recycled Content Post Consumer Post Industrial	N/A 1.62%	N/A 6.69%



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)

The Garland Company UK, LTD
Second Way Centre, Second Way
Avonmouth, Bristol UK BS11 8DF
Phone: 011 44 1174 401050 (Outside UK)
Toll Free: 0800 328 5560 (Only in UK)

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.

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