

OVERVIEW & FEATURES

Weatherking is a cold process modified adhesive that contains advance fiber formulations to provide superior sag resistance with exceptional weatherability. With a unique blend of modifiers, Weatherking (SBS) and Weatherking Plus WC (SEBS), the adhesives maintain flexibility and provide excellent UV resistance and heat stability. A Weatherking roofing system is constructed with multiple plies of Garland approved membranes resulting in a high-performance, cold applied built-up roof system with an outstanding lifespan that functions equally well on very low slope 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.

Superior Polymers and Sag Resistance - Advanced fiber formulation provides excellent slope resistance allowing Weatherking to be applied on slopes up to 3:12. The unique polymer blend includes Styrene-Ethylene-Butadiene-Styrene (SEBS) rubber allows Weatherking Plus WC 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 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 selvage 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 the adhesive on the roof substrate and then using a notched squeegee, spread out the adhesive covering the entire substrate at an application rate of 2-2.5 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.

For spray application, see the Weatherking spray application guidelines.

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.

- Coverage rate increases over more porous insulation
- Roofing granules must be installed in adhesive bleed out prior to applying reflective coatings
- Do not mix water into the pails of adhesive
- Do not use in freezing conditions and do not apply the adhesive over ice or moisture
- Do not apply the adhesive in the rain
- Must be kept at 40°F (4.4°C) and rising

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	12 months	12 months
Coverage Interply	2-2.5 gal/100 sq. ft. (0.82-1.02 l/m ²)	2-2.5 gal/100 sq. ft. (0.82-1.02 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	N/A	N/A
Post Industrial	1.62%	6.69%



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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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