

OVERVIEW & FEATURES

Pyramic Plus LO is a water-based, acrylic-urethane roof coating designed to preserve asphaltic modified bitumen surfaces from UV degradation and lower temperatures on the roof surface (and even reduces them inside the building). Pyramic Plus LO, though 100% water-based and non-toxic, contains uniquely formulated biocides that inhibit the growth of micro-organisms including bacteria, fungi, and algae on the surface of the coating. Combine this bacteria-fighter with optimal urethane-dispersion for increased strength, and Pyramic Plus LO becomes one of the most resilient acrylic roof coatings on the market.

Extends Roof Life – UV radiation accelerates roof system degradation. Pyramic Plus LO (White) has a bright white finish, helping to reflect the sun's ultraviolet rays and reduces their damaging effects to the roof. In addition, roofing materials contract and expand as they heat up during the day and cool at night. A roof coated with Pyramic Plus LO does not experience such large temperature fluctuations; therefore, the roofing system undergoes less fatigue.

Inhibits Mold & Bacteria Growth – Pyramic Plus LO contains a proprietary, specifically-engineered biocide package that inhibits the formation and growth of mold, fungi, algae and bacteria on the surface of the coating. This biocide package helps the coating surface stay cleaner, thus, reducing the effects of solar heat gain and damage by not allowing the mold, fungi or algae to attach to the coating.

Low Odor – This water-based product does not emit a strong odor; its odor is comparable to that of average house paint. This negligible smell means that Pyramic Plus LO will not disrupt building occupants or operations and makes it an ideal solution for schools, hospital and other densely populated spaces. It is also VOC compliant for every state and country.

Durable – This unique acrylic-urethane chemistry is engineered to be flexible, allowing it to flex with the roof's movements instead of breaking. The durable materials are meant to not only protect the surface beneath but extend the life of the roof.

Energy Savings – Typical, dark colored roofs can absorb more than 70% of the solar energy that reaches the surface, creating temperatures over 180°F (82.2°C). Pyramic Plus LO reduces roof temperatures by 50°-80°F (10°-26.7°C). The cooler, more regulated roof temperatures will keep the roof surface from degrading as quickly, increasing the roof system's life.

Fire Retardant – Pyramic Plus LO contains a unique blend of ingredients that produce a superior, flame-retardant surface. Passes Class A Fire Rating for slopes up to 1 1/2:12 slope when installed over a suitable substrate.

SURFACE PREPARATION

Remove all loose material, standing water, debris, oil, and other contaminants that could prevent full adhesion of the coating. The existing roof surface must be sound and free of defects such as blisters, splits, fish mouths, etc. Repair all defects with suitable patching material. All fresh applications of mastics, coatings or asphalt adhesives require a minimum of 30 days to cure prior to application of Pyramic Plus LO.

No primer is required. However, if stains from asphalt oils in the roof system are a concern, apply Garla-Block™ primer before application of Pyramic Plus

APPLICATION

Stir product before use, but do NOT thin. Pyramic Plus LO can be applied by spray, brush or roller.

First, apply one coat of Pyramic Plus LO to the prepared surface at a maximum rate of 1.0 gal/100 sq. ft. (0.41 l/m²).

After first coat has completely cured, overcoat with one coat of Pyramic Plus LO in a crosshatch pattern at a maximum rate of 1.0 gal/100 sq. ft. (0.41 l/m²). Total coverage rate should be 2 gal./100 sq. ft. (0.82 l/m²).

Once the Pyramic application has sufficiently cured - in waterways, drains, or scuppers (where water is expected to temporarily accumulate) apply LiquiTec at 3 gal./sq. over the Pyramic product surfacing.

PRECAUTIONS

- Do not apply when the ambient temperature is below 50°F (10°C) or above 95°F (35°C).
- Do not use on roof areas subject to ponding water or where there is standing water for more than 48 hours.
- Do not use on roofs with less than 1/4" slope. Must provide positive drainage.
- Do not apply when rain is expected within 12 hours.
- Do not allow product to freeze.
- Store material in dry protected areas and on clean raised platforms.
- Do not apply over any coal tar-based product.
- Roof surface must be at least six Fahrenheit degrees or three Celsius degrees above the dew point and rising.



Technical Data	Pyramic Plus LO
Density @77°F (25°C) (ASTM D1475)	11.7 lbs/gal (1.40 g/ml)
Elongation (ASTM D2370)	270% min
Tensile Strength (ASTM D2370)	400 psi min
Weathering (ASTM D4798)	No deterioration over 1,000 hours
Non-Volatile (ASTM D1644)	63% min
Coverage Rate	Two coats at maximum of 1.0 gal/100 sq. ft. (0.41 l/m ²) for each coat for a total of 2 gal/100 sq. ft. (0.82 l/m ²)
Packaging	5 gallon pail 55 gallon drum
Color	White and Gray
Shelf Life	12 months, unopened container

Eco-Facts	Pyramic Plus LO (white)	Pyramic Plus LO (gray)
VOC	< 50 g/L	< 50 g/L
Reflectance		-
Initial	0.83	
3-Year Aged	0.77	
Emittance		-
Initial	0.90	
3-Year Aged	0.89	
SRI		-
Initial	104	
3-Year Aged	95	

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



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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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