

OVERVIEW & FEATURES

Pyramic Plus LO is a bright white, 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. But Pyramic Plus LO's bright white finish reflects 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) and saves significant energy during the summer months. Not to mention, the cooler roof temperatures will keep the roof surface from drying out as quickly, increasing the roof system's life.

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 Base Coat to the prepared surface at a rate of 1-1.5 gal./100 sq. ft. (0.41 - 0.61 l/m²), depending on the surface texture.

After applying the base coat, top with one coat of Pyramic Plus LO in a crosshatch pattern. For smooth modified roof surfaces, apply at a rate of 1 gal./100 sq. ft. (0.41 l/m²). For mineral surfaced roofs, apply at a rate of 1.5 gal./100 sq. ft. (0.61 l/m²). Total coverage rate should be 2 gal./100 sq. ft. (0.82 l/m²) over smooth, and 3 gal./100 sq. ft. (1.22 l/m²) over mineral surfaces.

If a gray final surface is desired, reverse the order of the products during application. Pyramic Plus LO Base Coat is a gray version of Pyramic Plus LO and is completely UV stable, so it is suitable as a top coat.

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 1/2" slope
- Avoid drain sumps that hold water for more than 48 hours, Garland recommends the use of White-Star™ in these areas
- 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 Millennium® or any coal tar-based product
- Coverage rates may vary based on surface condition / texture and do not take into account material loss due to spraying, surface texture, surface absorption, waste, etc.

Pyramic® Plus LO

Technical Data	Pyramic Plus LO
Type	Water-based
Density @77°F (25°C) (ASTM D1475)	11.7 lbs/gal (1.40 g/ml)
Elongation (ASTM D2370)	150% min
Tensile Strength (ASTM D2370)	250 psi min
Weathering (ASTM D4798)	No deterioration over 1,000 hours
Non-Volatile (ASTM D1644)	63% min
Coverage Rate	
Smooth Surface	Two coats, for a total of 2 gal./100 sq. ft. (0.82 l/m ²)
Mineral Surface	Two coats, for a total of 3 gal./100 sq. ft. (1.22 l/m ²)
Packaging	5 gallon pail 55 gallon drum
Color	White
Shelf Life	12 months, unopened container

Eco-Facts	Pyramic Plus LO
VOC	>50 g/l
Reflectance	0.83
Emittance	0.90
SRI	104

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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