

USP® ALUMAMAX ROOF COATING

Description: USP® ALUMAMAX Roof Coating is a premium, high performance, fibered, 69% solids, aluminum reflective coating made from a premium blend of aluminum leafing pigments, refined asphalt, SBS polymers and aromatic and aliphatic solvents. ALUMAMAX is asbestos free and is designed to produce a brilliant expandable silvery finish that is both heat reducing and a protective coating. Also helps reduce building energy usage and helps keep interior building temperatures cooler. Designed to spread easily and evenly by brush, roller or spray.

Use Intended for use as a reflective surface for application over asphalt built-up roofs, modified bitumen membranes and metal roofs.

Product Data:

USP® AlumamMax Roof Coating (typical)

Applicable Specification: ASTM D-2824 Type III

Solar Reflectance Index: 72

Initial Solar Reflectivity: 71%

Initial Emittance: .36

Aged Solar Reflectivity: 57%

Color: Aluminum

Viscosity ASTM D-2196: 11,000 cps @ 77°F

% Asphalt: 35 min. – 50% max.

% Solids by weight: 69 min.

% Solids by volume: 42 min.

Elongation: 300% min.

Recovery: 95% min.

Weight per gallon: 8.9 lbs.

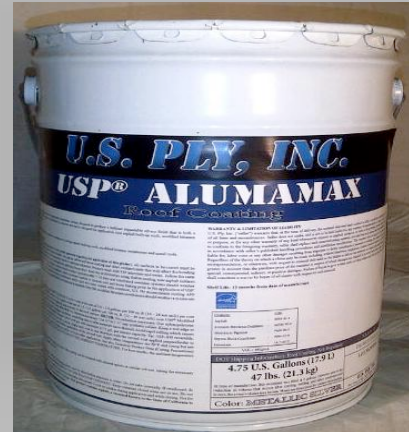
Flash point (TCC): +100°F (38.7°C)

Container sizes: 5, 55

Surface Preparation: Surfaces to be coated must be clean, dry, paintable and free of foreign materials, oils, grease, mildew and other contaminants that may affect the bonding of the coating. It is necessary to power wash and prime to enhance adhesion by power washing and broom scrubbing with a diluted solution of USP® PreKote Clean-N-Prime. Rinse clean and dry. Allow a minimum of 30 days weathering of modified bitumen and other asphaltic surfaces to reduce asphalt bleed through. See application specification for more details. Treat rust areas with All Season® Metal Primer. Repair metal roof seams and fasteners with All Season® Seam Sealer or All Season® Premium Thermoplastic Roof Coat prior to ALUMAMAX application.

CORPORATE HEADQUARTERS: P.O. BOX 11740, FORT WORTH, TEXAS 76110

Product Data Sheet



GREEN STANDARDS INFORMATION

- ENERGY STAR® Qualified Product for Reflectivity which can significantly lower roof surface temperatures.
- Listed with Cool Roof Rating Council for solar reflectance and thermal emittance - helps reduce energy cooling cost.
- SRI Index = 72 exceeding criteria for LEED Credit: SS Credit 7.2: Heat Island Effect: Roof 1 Point, Option 1 on steep slope roofs.
- Significantly lowers roof surface temperatures, which can help reduce energy cooling bills.

Mixing: Remove lid. **No thinning or reducing is necessary.** Product may separate after shipping and storage, though it may still look mixed. Mechanically mix coating thoroughly and continuously before and during application. For best results, use a 3/4 horsepower or larger electric or air operated mixer with a blade capable of uniformly mixing the entire container. When product is in 5-gallon pails, use a 3" minimum diameter mixing blade. When product is in drums, use a 6" minimum diameter mixing blade.

WEATHER PRECAUTIONS:

Temperature:

Air and Surface: 40°F Minimum/120°F Maximum

Material: 50°F Minimum/100°F Maximum

TOLL-FREE: 866-PUSH-PLY (866) 787-4759
LOCAL: (817) 413-0103 • FAX: (817) 413-8221
WWW.USPLY.COM

Relative Humidity: Can be applied at relative humidity up to 90%

DO NOT APPLY WHEN THE TEMPERATURE CAN FALL TO WITHIN 5°F OF THE DEW POINT WITHIN 6 HOURS.

This product cures by flashing solvents. It is very important that this product is not used when weather conditions are below 40°F or when there is a chance that the temperature could fall below 20°F within a 24 hour period after application. Do not apply this product if rain or dew is likely to occur before drying of product. Late afternoon application is not recommended if high humidity conditions exist, which could cause high moisture concentration of the surface overnight.

Application: Apply evenly with a soft bristle brush, roller or suitable spray equipment at the rate of not less than 1.5 and not more than 2.0 gallons per 100 square feet per coat. When spraying with heavy-duty airless spray equipment use a multi-pass technique for even coverage. For best results, brush coating in one direction with the slope of the roof. Do not apply over fresh roof repairs or coating. Roofing asphalts should be allowed to cure thoroughly to avoid alligating and staining. As this condition is unpredictable, we recommend that the user apply a small amount of USP® ALUMAMAX to the area of the roof to be coated in order to test its performance. Do not over-apply this product on APP modified bitumen or the coating may blister.

AIRLESS SPRAY-VOLUME:

Output: 2.5 – 3 gal. per min.

Fluid Working Pressure: 3,400 – 4,000 psi

Spray Gun: Graco – Contractor rated for pressure

Fan/Tip: 12/.021 -12/.037 reversible

Extension: 12” – 36” gun extension recommended

Coverage: Coverage rate is approximately 1.5 – 2.0 gallons per 100 square feet. More may be necessary on more porous surfaces. Applications more than 2.0 gallons per square should be accomplished in two coats. Note: Increased rates of application will prolong the drying time. Do not allow foot traffic until complete dry.

Storage/Handling: Observe normal safeguards for storing and handling of this product prior to and during application. Do not allow coating to freeze. Do not thin with additional solvents. Coating can be applied within an ambient temperature range of 40°F (4.4°C) to 100°F (37.8°C). Store material at 70°F (21.1°C) for at least 24 hours prior to application if the ambient temperature is 50°F (10° C) or below.

Caution: Combustible mixture, keep away from heat, open flame and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Avoid

prolonged contact with skin or flames. If irritation occurs seek medical attention. Cover rooftop air intake vents when applying the primer - to minimize the solvent odor. Use with adequate ventilation and close containers when not in use. If TLV is exceeded, respirators are required (NIOSH/MSHA). Inhalation of high vapor concentration may result in headaches and/or dizziness. Remove individual to fresh air and administer oxygen if breathing is difficult. If breathing has stopped, administer artificial respiration, keep victim warm and order emergency medical attention immediately. If swallowed, do not induce vomiting. Keep out of the reach of children. Read MSDS prior to use

Clean Up: Keep containers covered when not in use. Clean equipment and overspray with mineral spirits. Follow spray equipment manufacturer's instructions for cleaning with solvents. Clean hands with waterless hand cleaner.

Ponding Water: U.S. Ply, Inc.'s Warranties do not cover damage due to ponding water. Coatings should not be applied on roofs collecting ponding water which stands longer than 48 hours. The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

California Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm.

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.