

USP® 421 NON-FIBERED ALUMINUM COATING

Description: USP® 421 Non-Fibered Aluminum Coating is designed to produce a brilliant expandable silvery finish and protective coating. Formulated from specially refined asphalt, aliphatic solvents and ASTM D-962 leafing aluminum paste. Also helps reduce building energy usage and helps keep interior building temperatures cooler. Designed to spread easily and evenly by brush or spray.

Use Intended for use as a reflective surface for roofs, metal buildings, and mobile homes.

Surface Preparation: All surfaces to be adhered must be clean, dry and free from any foreign matter, such as oil, grease, dirt or any debris that could inhibit the bonding capabilities of the primer. On existing roofs, inspect roof deck condition – moisture in old roof may require complete removal of existing roof.

Application: Remove lid. **Do not thin.** Stir or mix well before use and occasionally during use to avoid streaking. Power mixing is recommended. Apply evenly with a soft bristle brush, roller or suitable spray equipment at the rate of not less than one-half and not more than three-quarters of a gallon per 100 square feet. For best results, brush coating in one direction with the slope of the roof. Do not work excessively as this will retard the leafing of the aluminum pigment and tends to darken the finish. 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 the coating to the area of the roof to be coated in order to test its performance. Apply only to clean and dry surface. Clean up with USP® Natural Solvent Cleaner.

Coverage: Coverage rate is approximately one-half and not more than three-quarters of a gallon per 100 square feet. More may be necessary on more porous surfaces. 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 USP® Natural Solvent Cleaner. Follow spray equipment manufacturer's instructions for cleaning with solvents. Clean hands with waterless hand cleaner.

Product Data: USP® 421 Non-Fibered Aluminum Coating (typical)

Applicable Specification: ASTM D-2824 Type I

Viscosity ASTM D-2196: 200 cps

% Asphalt: 33 min.

% Solids: 50 min.

% Non-volatile: 65 max.

VOC: 450 g/l max.

Weight per gallon: 9.4 lbs.

Initial Solar Reflectivity ASTM E-903: 60%

Aged Solar Reflectivity ASTM E-1918: 50%

Flash point (TCC): +100°F (38.7°C)

Container sizes: 5, 55

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.



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