

ALL SEASON® PREMIUM THERMOPLASTIC ROOF COATING

Description: All Season® Premium Thermoplastic Roof Coating is a high performance, universal, premium SEBS elastomeric fluid applied coating that is specially formulated for odor sensitive environments and to provide high reflectivity and high tensile strength, while providing ultra low moisture permeability and cold weather flexibility.

Use: Intended as a base, intermediate coat and/or top coat over smooth BUR, concrete, modified bitumen, metal, aged TPO and select aged PVC and Hypalon (CSPE). Used in conjunction with appropriate All Season® primers where applicable.

Product Data:

All Season® Premium Thermoplastic Roof Coating (typical)

Solar Reflectance Index: 100

Initial Solar Reflectivity: 80%

Initial Emittance: .88

3 Year Aged Solar Reflectivity: 76%

Color: White

% Solids by weight: 45 min.

% Solids by volume: 45 min.

Elongation: 700% min. @ 77°F (25°C)

Weight per gallon: 9.0 lbs.

Flash point (TCC): +100°F (38.7°C)

VOC: < 550 g/L

Container sizes: 5, 55 Gal

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 product. It is necessary to wash and/or prime to enhance adhesion by power washing and broom scrubbing with a diluted solution of USP® PreKote Clean-N-Prime. Rinse clean. Treat rust areas with All Season® Metal Primer. See application specification for more details.

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.

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 = 100 exceeding criteria for LEED Credit: SS Credit 7.2: Heat Island Effect: Roof 1 Point, Option 1.
- Significantly lowers roof surface temperatures, which can help reduce energy cooling bills.

WEATHER PRECAUTIONS:

Temperature:

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

Material: 70°F Minimum/100°F Maximum

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

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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 1.25 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. Do not over-apply over asphaltic roofs, especially on APP modified bitumen as blistering may occur. Coating dries extremely fast. Skins over in minutes and cures completely in a few hours.

AIRLESS SPRAY-VOLUME:

Output: 1.2 gal. per min.

Fluid Working Pressure: 3,000 psi

Spray Gun: Graco – Contractor rated for pressure

Fan/Tip: 06/.027 - 06/.040 reversible

Extension: 12" – 36" gun extension recommended

Coverage: Coverage rate is approximately 1.25 – 2.0 gallons per 100 square feet depending on substrate type. BUR/Modified Bitumen coverage rate is approximately 3.0 to 4.0 gallons per square applied in 2 coats at 1.5 to 2.0 gal/sq each. CSPE/PVC/TPO coverage rate is approximately 2.5 gallons per square applied in 2 coats at 1.25 gal/sq each. Metal Panel coverage rate is approximately 2.5 to 3.0 gallons per square applied in 2 coats at 1.25 to 1.5 gal/sq each. More may be necessary on more porous surfaces. Applications more than 1.5 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.

Note: The first coat over asphalt will often stain yellow. If using a roller, inspect the roller nap and remove any embedded pieces of asphalt before continuing. Staining should be completely covered by the second application of coating. Uneven or alligatored areas will require additional coating application. Certain PVC membranes may contain plasticizers than can soften the coating. The coating should be tested over PVC prior to use to determine suitability.

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 spills with mineral spirits or USP® Natural Solvent Cleaner. 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.