

FLINTCOAT™ -A PLUS

Premium Rubberized Aluminum Roof Coating



Product Information



Description: FlintCoat-A Plus is a highly rubberized, ultra bright aluminum coating designed for maximum performance. FlintCoat-A Plus is formulated with select solvents, rubber and aluminum pigment to provide exceptional weathering abilities and performance characteristics. FlintCoat-A Plus provides outstanding expansion and contraction abilities while also reflecting destructive U.V. rays and reducing surface temperatures. This heavy duty, high-performance coating can be used on a variety of roof surfaces to reduce roof temperatures and cooling costs. FlintCoat-A Plus is also designed to perform substantially better than standard coatings under ponding water conditions, although it is always recommended to correct slope and drainage issues prior to coating.

Product Advantages:

1. FlintCoat-A Plus applies easily by brush, roller or spray
2. Cures within 24-48 hours
3. Dries to a tough, flexible elastic, rubber-like film
4. Excellent adhesion over clean asphalt surfaces
5. Outstanding water and water vapor resistance
6. Excellent weather resistance
7. Good resistance to salts and alkalis
8. Aluminum reflectant characteristics
9. FlintCoat-A Plus is an ENERGY STAR® labeled roof coating

Uses: FlintCoat-A Plus is recommended as a roof coating for use over modified bitumen membranes, BUR, metal and mobile home roofs.

Typical Physical Properties

CHARACTERISTIC	RESULT
Weight per Gallon ASTM D1475	8.5 lbs.
Solids by Weight ASTM D1644	47%
Solids by Volume ASTM D2697	65%
Color	Silver
Permeance ASTM D1653	0.04 perm.
Cure Time	24 to 48 hrs.
Performance Temp. Range	-40°F to 160°F
Application Temp. Range	50°F to 120°F
Elongation ASTM D412	300%
Recovery ASTM D412	95%
Tensile Strength ASTM D412	300 psi
Metallic Aluminum Minimum Content ASTM D2824	15%

CHARACTERISTIC	RESULT
Asphalt Content ASTM D4125	11%
Consistency, Brookfield RVF Viscometer, #4 Spindle @ 20 RPM @ 77°F ASTM D2196	3,500 Centipoise
Wet Mil Thickness @ Average Application Rate	24-32 mils
Dry Mil Thickness @ Average Application Rate	16-21 mils

ENERGY STAR DATA

Initial Reflectivity ASTM C1549	3-Year Reflectivity	Emissivity
66%	56%	0.38

U.L. Listed: File #R11656;
Control #84RI



Packaging

Available in 5-gallon pails.
Palletized: 36 pails per pallet.
Weight per pallet: Approx. 1,656 lbs.

Coverage

Coverage Rate (may vary depending on texture of surface): Built-up (granule surface) – 1.5 gallons to 2 gallons per 100 sq. ft.; Smooth surface and metal roofing – 1.5 gallons to 2 gallons per 100 sq. ft. Avoid foot traffic once applied.

Product Application

Preparation: All surfaces must have proper drainage and be clean, dry, and free of surface rust and any other foreign matter. Repair all leaks and problem areas. CertainTeed's FlintPrime™ Asphalt Primer is recommended. This product allows topcoat application after 48 hours cure time. When applying this product over a new roof system or solvent-based product, surface must weather a minimum of 30 days and up to 90 days depending on application. **DO NOT APPLY IF RAIN IS EXPECTED WITHIN 36 HOURS.**

For Best Results: STIR CONTENTS BEFORE AND DURING USE AS REQUIRED. Aluminum pigment settles out and thorough stirring is necessary to redisperse this component prior to use. A power drill mixer can be very helpful to mix product.

Application: Protective clothing and eyewear should be used during the application of this product. Always apply on a clear, warm sunny day. Apply in morning hours to allow maximum cure time. Temperatures must be above 50°F (for 24 hours) and rising, but not above 110°F. Mix coating and apply evenly using professional airless sprayer, brush or roller. Spread in both horizontal and vertical directions, overlapping ends of strokes. Avoid excessive build-up or puddling. When brushing, avoid scraping into existing roof surface. All finished strokes should be made in the same direction. When buying multiple containers, it is recommended to match the batch codes on the lids to avoid shade variances.

Clean Up: Clean tools with paint thinner or mineral spirits.

Note: Coating Modified Bitumen Membranes with Aluminum Coatings

CertainTeed recommends coating modified bitumen membranes as soon as possible after the membrane is installed. CertainTeed's experience, laboratory and field tests, as well as NRCA, RCMA and ARMA reports, indicate that aluminum coating will reduce the combined effects of ultraviolet rays, heat and moisture, which, especially on APP modified bitumens, enhance exudation that can cause discoloring and delamination of any surface coating.

Storage

In cold weather, store product in heated room (65°F to 80°F) at least 24 hours prior to coating.

Precautions

Do not use near open flame. Avoid breathing solvent fumes and prolonged contact with skin. Do not take internally. If swallowed, do not induce vomiting. Call a physician immediately. Keep out of reach of children. Keep container covered when not in use. Do not thin. Dispose of in an environmentally safe manner.

Provide adequate ventilation and take necessary measures to prevent penetration of airborne solvents into the building structure. Cover air intakes during application and while drying.

COLD-PROCESS SYSTEMS AND COATINGS, EITHER EMULSION OR SOLVENT BASED, SHOULD ONLY BE INSTALLED ON DECKS WITH POSITIVE DRAINAGE. PER NRCA (NATIONAL ROOFING CONTRACTORS ASSOCIATION), "THE CRITERIA FOR JUDGING PROPER SLOPE FOR DRAINAGE IS THAT THERE BE NO EVIDENCE OF STANDING WATER ON THE DECK 48 HOURS AFTER IT STOPS RAINING."

Technical Assistance

CertainTeed provides technical assistance in the selection, specification and application guidelines for all CertainTeed Commercial Roofing products and systems. Architectural and field representatives are available for consultation within each region. Refer also to the CertainTeed Commercial Roof Systems Specification Manual for additional information.

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