

## FLINTCOAT® -A 300 Fibred Aluminum Roof Coating



### Product Information



**Description:** FlintCoat-A 300 is a **premium**, three-pound, fibred aluminum roof coating made of selected asphalts and pigment flakes of pure aluminum, blended with mineral fibers and refined solvents for heavy-duty performance capability. When FlintCoat-A 300 is applied to a roof, the aluminum flakes leaf to the surface, forming a reflective, metallic shield over the base of the coating. The combination of these protective materials—aluminum, asphalt and reinforcing fibers—results in a self-protecting roof coating with long lasting moisture and heat-resistant properties. FlintCoat-A 300 Fibred Aluminum Roof Coating remains permanently bonded to the base material, thus assuring prolonged roof life. FlintCoat-A 300 is an ENERGY STAR® labeled roof coating.

**Uses:** FlintCoat-A 300 helps reduce indoor building temperatures and, therefore, lowers energy consumption. It's ideal for use on modified bitumen membranes, metal corrugated decks, steep asphalt that has aged for 90 days, or FlintCoat™-E emulsion coating that has been allowed to cure for 3 to 5 days.

#### Product Advantages:

1. Self-protecting: the aluminum shield protects the base coating's asphaltic oils so coating stays resilient
2. Reflects over 65% of the sun's rays
3. Prolongs roof life; helps protect roof membrane from U.V. degradation
4. Helps reduce energy consumption costs
5. Helps keep building interiors cooler in hot weather by reflecting the sun's rays
6. Easy to apply
7. ENERGY STAR® labeled
8. U.L. Class A

### Typical Physical Properties

CHARACTERISTIC	RESULT
Color	Silver
Cure Time (50% Relative Humidity, 70°F)	4-8 hrs.
Full Cure (50% Relative Humidity, 70°F)	24-48 hours
Application Temp. Range	50°F to 120°F
Flammability	105°F
VOC/VOS	500g/l max (4.2 lbs./gal.)
Application Temp. Range	50°F to 120°F

ENERGY STAR DATA		
Initial Solar Reflectance ASTM C1549	3-Year Aged Reflectance	Emissivity
0.66	0.56	0.37

Meets or exceeds ASTM D2824, Type III, ASTM D962 Type II and ASTM D3805, U.L. Listed.

### Packaging

	FLINTCOAT-A 300	
<b>Packaging</b>	5-gallon pails	55-gallon drums
<b>Weight</b>	45 lbs./pail	525 lbs./drum
<b>Units Per</b>	42 pails/pallet	4 drums/pallet
<b>Approx. Wt. Per Pallet</b>	1,995 lbs.	2,100 lbs.

### Coverage

Apply **FlintCoat-A 300 Fibred Aluminum Roof Coating** at the rate of 1 to 1-1/2 gallons per 100 sq. ft.



## **Product Application**

**Surface Preparation:** Surfaces should be clean and dry. Prepare all surfaces by sweeping clean of dust, dirt, oil and loose particles. Repair all cracks and blisters by spreading FlintBond® SBS Modified Bitumen Adhesive, Trowel Grade, over the damaged area, then embed appropriate cotton, glass or polyester reinforcement and apply another coat of FlintBond SBS Modified Bitumen Adhesive over the entire patch. Aged and “alligatored” asphalt roof surfaces should be primed with FlintCoat-E emulsion (see CertainTeed’s FlintCoat-E Technical Data Sheet) prior to application of FlintCoat-A 300. New asphalt roof surfaces should weather 30 to 90 days before being coated with FlintCoat-A 300 Fibered Aluminum Roof Coating. However, FlintCoat-A 300 can be coated on roofs 3 to 5 days after FlintCoat-E emulsion has been applied. **DO NOT HEAT OR THIN. 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. In cold weather, store product in heated room (65°F to 80°F) at least 24 hours prior to coating.

**Application:** For exterior use only. Protective clothing and eyewear should be used during application of this product. Always apply on a clear, warm sunny day. Apply in morning hours to allow maximum cure time. Temperatures should be above 50°F and rising for proper leafing of aluminum and brightest finish. 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 finish 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.

**Note:** This product is not recommended for use on wood or asphalt shingles. Standing water dulls aluminum, and may cause adhesion failure between the coating and substrate. In warmer weather, application to steep slopes may result in some running of the coating until fully dry.

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

## **Storage**

Store product indoors. Do not store at temperatures above 110°F. Keep away from heat or flame. Keep containers sealed until use.

## **Precautions**

**This product contains solvents. When working around ventilation units or HVAC equipment, ensure proper fume mitigation procedures are taken to avoid fumes and/or odors from entering air handling equipment and building. When transporting this product, ensure that lid is tight and pail secure and upright. Do not allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and cover with secured, protective cloth to prevent damage due to accidental spills. Do not store at temperatures above 110°F. The container should be tightly sealed to prevent solvent evaporation and to keep out moisture. WATER MAY REACT WITH ALUMINUM PIGMENT TO PRODUCE HYDROGEN GAS, AND EXPLOSION HAZARD. This manufacturer also disclaims liability for flat surface application where poor drainage or moisture may prevail. For exterior use only. Do not reuse empty containers. Do not use in drinking water or food systems.**

## **Technical Assistance and Services**

CertainTeed provides technical assistance in the selection, specification and application guidelines for all CertainTeed Commercial Roofing products and systems. Refer also to the CertainTeed Commercial Roof Systems Specification Manual for additional information.

For more information, contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2.

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