

## FLINTCOAT™ -A NF

### Non-Fibered Aluminum Roof Coating

#### Product Information



**Description:** FlintCoat-A NF Non-Fibered Aluminum Roof Coating is a formulation of selected asphalts, refined solvents and fine aluminum flakes. When the coating is applied to the roof, the aluminum flakes leaf in overlapping parallel layers, forming a reflective, metallic shield over the base material. The combination of these two protective materials, aluminum and asphalt, results in a self-protecting roof coating with long-lasting moisture and heat-resistant properties. FlintCoat-A NF Non-Fibered Aluminum Roof Coating remains permanently bonded to the base material, assuring enhanced roof life.

**Uses:** FlintCoat-A NF Non-Fibered Aluminum Roof Coating is ideal for use on modified bitumen membranes, metal corrugated roofs and steep asphalt surfaces. New asphalt roof surfaces should weather a minimum of 90 days before being coated with FlintCoat-A NF. However, it can be coated on roofs 3 to 5 days after FlintCoat-E asphalt emulsion has been applied.

#### Product Advantages:

1. Self-protecting: the aluminum flakes protect the coating's asphaltic oils
2. Reflects 60% of the sun's rays; helps keep building interiors cooler.
3. Prolongs roof life; helps protect roof membrane from U.V. degradation
4. Helps reduce energy consumption costs in hot weather
5. Easy to apply

#### Typical Physical Properties

CHARACTERISTIC	RESULT
Weight per Gallon ASTM D1475	8.4 lbs. (+/- 0.3 lbs)
Solids by Weight ASTM D1644	47%
Solids by Volume ASTM D2697	44%
Color	Silver
Hardness Shore A ASTM D2240	60
Cure Time @ 77°F, 50% Relative Humidity	24-48 hrs
Performance Temp. Range	-40°F to 180°F
Application Temp. Range	50°F to 120°F
Reflectance: ASTM C1549	Not less than 60%
Metallic Aluminum Minimum Content: ASTM C2824	13.5%

CHARACTERISTIC	RESULT
Asphalt Content Maximum by Weight ASTM C4125	32%
Consistency, Brookfield RVF Viscometer, #2 Spindle @ 20 RPM @ 77°F ASTM D2196	210 Centipoise
Recommended Storage temp.	50°F min./ 100°F max.
Wet Mil Thickness @ Average Application Rate	8-16 mils
Dry Mil Thickness @ Average Application Rate	3-6 mils

U.L. Class A Listed: File #R11656;  
Control #84R1 (see U.L. Directory for  
listing details)  
Miami-Dade Approved



#### Packaging

	FLINTCOAT-A NF	
<b>Packaging</b>	5-gallon pails	55-gallon drums
<b>Units Per</b>	36 pails/pallet	4 drums/pallet
<b>Approx. Wt. Per Pallet</b>	1,660 lbs.	1,980 lbs.

#### Coverage

Apply **FlintCoat-A NF Non-Fibered Aluminum Roof Coating** at the rate of 1 to 1-1/2 gallons per 100 square feet.

## **Product Application**

**Surface Preparation:** Prepare all surfaces by sweeping clean of dust, dirt, oil, moisture 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 fabric 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 NF. New asphalt roof surfaces should weather a minimum of 90 days before being coated with FlintCoat-A NF Non-Fibered Aluminum Roof Coating. However, FlintCoat-A NF can be coated on roofs 3 to 5 days after FlintCoat-E emulsion has been applied.

**Application:** FlintCoat-A NF Non-Fibered Aluminum Roof Coating should be spread uniformly over the roof surface. Care should be taken not to overwork the coating while applying. This will have a damaging effect on the leafing action of the aluminum. Be sure to mechanically mix the aluminum coating thoroughly before using. FlintCoat-A NF Non-Fibered Aluminum Roof Coating can be applied with a soft roof brush, roller or spray.

### **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.

**Clean Up:** Equipment may be thoroughly cleaned after use with mineral spirits, taking necessary precautions when handling combustible materials.

## **Storage**

Store product indoors, in an enclosed area protected from the elements, between 50°F and 100°F. Protect from freezing. Keep away from heat or flame. Keep containers sealed until use.

## **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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