

FLINTCOAT®-W White Elastomeric Acrylic Roof Coating



Product Information



Description: FlintCoat-W is an extra-thick, highly-flexible, white acrylic roof coating designed with superior hiding ability. This high-performance, UL Class A-rated product resists cracking, peeling and mildew, while offering tremendous durability and long-term life. It expands and contracts with roof movement to resist damage. FlintCoat-W provides an excellent, highly protective barrier which reflects the sun's heat and destructive UV rays. In turn, this helps to cool surfaces and leads to a reduction of interior temperatures and cooling costs. FlintCoat-W is an "investment," and in some regions can actually pay for itself in savings on cooling costs. Do not allow to freeze.

Product Advantages:

1. FlintCoat-W applies easily by brush, roller or spray
2. Cures within 24-36 hours
3. Dries to a tough, flexible elastic film
4. Excellent adhesion over clean, primed surfaces
5. Outstanding U.V. protection; reflects a minimum of 90% of the sun's rays
6. Excellent weather resistance
7. ENERGY STAR® labeled

Uses: FlintCoat-W is intended for use on above-grade vertical surfaces on: primed concrete block, brick, cinderblock, stucco, wood and previously coated surfaces. **Built-up Roofs:** Prepare by applying FlintCoat®-E at the rate of 3 gallons per 100 sq. ft. and allow to dry (cure) for a minimum of 3-5 days prior to installing FlintCoat-W. **Smooth APP Modified Bitumen Roofs:** After installation of membrane, clean surface of all blocking agents and exudation, then apply FlintCoat-E as described for built-up roofs. **Mineral Surfaced APP, SBS or BUR cap sheets** do not require priming with Flintcoat-E prior to application of FlintCoat-W FR.

Typical Physical Properties

CHARACTERISTIC	RESULT
Weight per Gallon ASTM D1475	11.8 lbs.
Solids by Weight ASTM D1644	65%
Solids by Volume ASTM D2697	50%
Viscosity	110-140 ku
Color	White (*Other colors available)
Permeability ASTM D1653	< 10 perms.
Skin Time (50% Relative Humidity, 70°F)	4 hrs.
Full Cure Time (50% Relative Humidity, 70°F)	24 to 36 hrs.
Application Temp. Range	55°F to 100°F

CHARACTERISTIC	RESULT
Elongation ASTM D562	300%
Tensile Strength ASTM D2370	230 psi
VOC	47 gm/L

ENERGY STAR DATA

Initial Solar Reflectance ASTM C1549	3-Year Reflectance	Emissivity
0.85	0.68	0.91

Meets or exceeds ASTM D6083, U.L. Listed, Miami-Dade Approved, CRRC Title 24 and Energy Star listed.

*Available colors include Gray and Tan.
Minimum order quantities may apply.

Packaging

	FLINTCOAT-W FR	
Packaging	5-gallon pails	55-gallon drums
Weight	45 lbs./pail	525 lbs./drum
Units Per	42 pails per pallet	4 drums/pallet
Approx. Wt. Per Pallet	1,995 lbs.	2,100 lbs.



Product Application

FlintCoat-W should be applied in two coats at the rate of 1-1/2 gallons per 100 sq. ft. per application. FlintCoat-W coverage rate will vary depending upon the surface to be coated. The total rate of coverage should be 3 gallons per 100 sq. ft. applied in two applications (1-1/2 gallons per application) to achieve a cured, dry film thickness of 20-24 mils.

Surface Preparation: Allow fresh masonry to cure for a minimum of 30 days before application of FlintCoat-W. Surface to be coated should be clean, free from dirt, dust, grease, oil and loose paint. Patch and repair cracks or holes with appropriate sealants or caulking materials. Prime vertical surfaces with FlintCoat®-E Emulsion Roof Coating at the rate of 2-3 gallons per 100 sq. ft. prior to application of FlintCoat-W. To horizontal metal and asphalt roof membrane surfaces, apply FlintCoat-E Emulsion Roof Coating at the rate of 3 gallons per 100 sq. ft. (see CertainTeed's FlintCoat-E Technical Data Sheet) and allow to cure 3-5 days prior to application of FlintCoat-W. FlintCoat-W should be mechanically mixed for several minutes before application.

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 must be above 50°F and rising, but not above 110°F. Apply with a 3/4" nap exterior paint roller or professional airless sprayer. First, apply one coat over all seams and joints. Allow to cure for one hour or until dry, then apply two (2) uniform coats over entire surface, avoiding excessive rolling. Two full coats are needed for all applications. Dries for recoat in 4 hours and fully cures in 24-36 hours at 70°F and 50% relative humidity. Higher humidity, thicker films, poor air flow and lower temperatures will increase dry times. Coverage rate is 1-1/2 gallons per square, per coat. Two coats are required for a total application of 3 gallons per square.

Note: If roof becomes hot (over 100°F) during application, lightly mist roof surface with water spray to prevent coating from drying too fast. Remove any excess or puddling water prior to coating. If roof surfaces become soiled as they age, due to the elements, surface may be cleaned with a mild water and bleach solution. Excessive scrubbing should be avoided. If color tinting is desired, a typical addition of 3-4 ounces per gallon of Universal colorant can be added, which will result in light pastel colors. Color tinting will disclaim warranty.

Clean Up: Clean tools with soap and water.

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 store at temperatures below 50°F. Do not apply when rain is imminent. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Keep out of reach of children. Avoid prolonged contact with skin. 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 COATING, EITHER EMULSION OR SOLVENT BASED, SHOULD ONLY BE INSTALLED ON DECKS WITH POSITIVE DRAINAGE. PER THE 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 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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