

FLINTCOAT® -E Emulsion Roof Coating

Product Information



Description: FlintCoat-E Emulsion Roof Coating is a UL-Rated, fiber-reinforced, professional-grade product for coating built-up mineral surfaced, metal, concrete, corrugated and other roof surfaces. It is also great for use in polyester roofing systems. FlintCoat-E Emulsion Roof Coating has excellent weathering qualities and is non-flammable, odorless and bonds to damp or dry surfaces. FlintCoat-E Emulsion Roof Coating does not contain solvents, so it will not deteriorate or harm insulation or styrofoam boards and is easy to use and clean up. DO NOT ALLOW PRODUCT TO FREEZE.

Product Advantages:

1. Odorless
2. Dries to a durable, flexible finish
3. Excellent adhesion over clean asphalt surfaces
4. Outstanding water and water vapor resistance
5. Adds to the service life of reflective coatings when used as a primer

Uses: FlintCoat-E Emulsion Roof Coating may be used when emulsion is specified in cold process roof systems. It is used as a base coating under acrylic and aluminum roof coatings such as FlintCoat®-A 150, FlintCoat®-A 300 and FlintCoat®-W. Flint Coat-E is used to prime asphalt roof surfaces and bind loose granules prior to the application of subsequent reflective coatings. It is also used as a maintenance coating to fill in cracks and alligating on worn asphalt roof surfaces prior to the application of reflective coatings. FlintCoat-E may be left exposed for use as a maintenance coating.

Typical Physical Properties

| CHARACTERISTIC | RESULT |
|---|---------------------------------|
| Color | Dark brown uncured, black cured |
| Skin Time (50% Relative Humidity, 70°F) | 4-8 hrs. |
| Full Cure* (50% Relative Humidity, 70°F) | 24-48 hours |
| Application Temp. Range | 55°F to 110°F |
| Flammability | 105°F |
| VOC/VOS | < 1.0g/l |
| Residue by Evaporation | 45% |

* Protect from freezing until cured. If it rains during the cure time, longer drying time may be required. FlintCoat-E must be completely dry before application of top coating.

Meets or exceeds ASTM D1227, Type II, U.L. Listed, Miami-Dade Approved.

Packaging

| | FLINTCOAT-E | |
|-------------------------------|-----------------|-----------------|
| Packaging | 5-gallon pails | 55-gallon drums |
| Weight | 45 lbs./pail | 510 lbs./drum |
| Units Per | 36 pails/pallet | 4 drums/pallet |
| Approx. Wt. Per Pallet | 1,660 lbs. | 2,060 lbs. |

Coverage

If used as a primer coating before application of another top coating, apply at the rate of 3 gallons per 100 sq. ft. Allow to completely dry (minimum 3-5 days) prior to application of surface coating. If another top coating is not specified, use at the rate of 4 gallons per 100 sq. ft.

Product Application

Surface Preparation: All surfaces must be clean, have proper drainage, and be free of surface rust and any other foreign matter. Roof surface may be damp (from morning dew); however, surfaces may not be saturated with water. Brush clean all cracks, holes and damaged or rusted areas with a wire brush. Repair using roof patch and glass fabric. DO NOT HEAT OR THIN. DO NOT APPLY IF RAIN IS EXPECTED WITHIN 36 HOURS.

For Best Results: Reinforce coating with a polyester reinforcing fabric or chopped glass fibers. Once cured, apply FlintCoat®-W. This will greatly extend the life of the roof.

Application: For external 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 using professional airless sprayer, brush or 1/2" to 3/4" nap roller. Covers approximately 50 sq. ft. per gallon. Two coats are recommended. Allow 4-8 hours between coats. Coverage rates may vary depending on texture of surface. DO NOT APPLY TO DRIVEWAY SURFACES.

Clean-Up: Clean tools with warm water and soap.

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

Caution: 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. CertainTeed 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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