



# TopGard® Type A (aluminum emulsion)

## Description

TopGard Type A (aluminum emulsion) Roof Coating is a combination of aluminum flakes and non-asbestos reinforcing fibers suspended in an emulsified asphalt to provide excellent reflectivity in a noncombustible roof surfacing. Because of the unique formulation, the aluminum flakes stay well dispersed in the mixture to minimize mixing time and to provide optimum flaking of particles on the roof surface.

## Use

TopGard Type A Roof Coating is used as a reflective coating for smooth-surfaced built-up roofs, and can provide a UL® Class A rating in certain constructions (see UL Roofing Materials and Systems Directory). It provides a layer of weathering asphalt and a reflective surface to help minimize cooling loads in structures of all kinds, and makes an excellent protective coating for metal, concrete, stucco and masonry surfaces.

Caution: DO NOT TAKE INTERNALLY • IF SWALLOWED, DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY. • KEEP OUT OF REACH OF CHILDREN.

## Application

When applying TopGard Type A, use a brush, medium nap roller (¾" [19 mm]) or heavy-duty spray equipment, to apply a thick (0.030" [0.8 mm]) coating.

Emulsion-coated membranes can be coated as soon as the emulsion has dried. Built-up roof membranes should be allowed to oxidize for 30 days before coating. Do not apply over asphalt-glazed roofs that have not been allowed to weather through one full summer.



Repair all surface defects before application. Clean roof surface of dirt, debris and any oil or grease that may be present.

Do not apply within 24 hours of rain or when freezing weather is expected.

To ensure proper application and long-term results, it is essential that the aluminum particles be completely dispersed in the mixture before application. Anything less than complete mixing will result in an unsatisfactory application.

## Material meets the requirements of ASTM D 6848, Type IV

### Coverage

Type of Roof	Coverage Rate*
Fiber glass felts	50 - 60 ft <sup>2</sup> /gal (1.23 - 1.47 m <sup>2</sup> /l)
Smooth-surfaced emulsion	50 - 70 ft <sup>2</sup> /gal (1.23 - 1.72 m <sup>2</sup> /l)

\* Coverage rates depend upon weather conditions and substrate. Refer to specific code agency Web sites for exact construction information.

### Packaging

5 gal (18.9 l) pails (approximate weight: 47 lb [21.3 kg])

## Physical Properties

Property	Value	Test Method
Weight.....	9.3 lb/gal (1.12 kg/l).....	ASTM D 2939
Solids, % by Weight.....	37% .....	ASTM D 2939
Brookfield Viscosity.....	5,000 - 8,000 .....	ASTM D 2939
	20 rpm @ 77°F (25°C) (cPs)	
Reflectance, Initial.....	0.51	ASTM C 1549
VOC** .....	152 g/l	
VOS.....	1.27 lb/gal (0.15 kg/l)	
Flexibility, Low Temperature ....	Pass .....	ASTM D 2939
Specific Gravity, 77°F (25°C) ....	1.11	
Heat Resistance.....	No sag .....	ASTM D 2939
Flashpoint.....	212°F (100°C)	
Water by Volume.....	72.8%	
Water by Weight.....	64.6%	

\*\* JM has a low VOC version that complies with SCAQMD VOC regulations; Max VOC 100 g/l, Max VOS 0.83 lb/gal.

Refer to the Material Safety Data Sheet and product label prior to using this product.