

Fiberglass Mineral Surfaced Roll Roofing

Fiberglass Mineral Surfaced roll roofing is a glass fiber reinforced asphalt coated product with a ceramic granular surface to protect against UV, weathering and physical damage. It is lightly coated with a mineral release material on the bottom side.



SCAN to view application video

USAGE

Fiberglass Mineral Surfaced roll roofing is a general purpose roofing product designed for use in new roofing and re-roofing installations utilizing hot mopping asphalt, cold process adhesives or mechanical fasteners. While frequently used for residential low-slope applications such as porches and carports or as flashing material, it can also be used as a base sheet in commercial applications.



FEATURES AND BENEFITS

- ◆ Versatile and easy to handle
- ◆ Durable and cost-effective
- ◆ Reinforced with glass fiber mat ensuring dimensional stability during installation
- ◆ Specially formulated asphalt gives lasting performance
- ◆ Minimal dead load weight
- ◆ Rolls lay flat and resist wrinkling for easy application
- ◆ Low-slope residential and commercial use
- ◆ Factory controlled characteristics
- ◆ Granular surfacing available in multiple colors to complement most shingle applications
- ◆ Meets ASTM D 3909
- ◆ UL Approved in Class A, B, and C roofs (Type G3 BUR)

AVAILABLE COLORS

- ◆ White, Black, Cedar Blend, Weatherwood, Dark Brown, Red, Hickory, Slate Gray and Green

STORAGE AND HANDLING

- ◆ Fiberglass Mineral Surfaced roll roofing requires protection from damage and the weather.
- ◆ Constantly store rolls upright, in a dry location and never more than two pallets high.
- ◆ When storing two pallets high, position a plywood sheet between pallets.

GENERAL PRECAUTIONS

- ◆ All roofing materials must be kept clean and free of moisture prior to installation.
- ◆ The roof deck must be clear of all debris and moisture prior to installing the Fiberglass Mineral Surfaced roll roofing
- ◆ Fiberglass Mineral Surfaced roll roofing shall not be installed when wet.
- ◆ Ensure roof has positive drainage prior to installation.
- ◆ Warm weather conditions are ideal for good adhesion. Application should be made when ambient temperature is 50°F or higher.
- ◆ Follow Occupational Safety and Health Administration (OSHA) safety standards; use common sense measures and adequate precautions to prevent accidents.
- ◆ Fiberglass Mineral Surfaced roll roofing must be installed as per Tarco published installation guidelines. Follow the National Roofing Contractors Association (NRCA) roofing manual and relevant application guidelines from the Asphalt Roofing Manufacturers Association (ARMA).
- ◆ Local codes may supersede these instructions. Check with the local building code administrator for specific requirements.

APPLICATION

- ◆ Unroll the Fiberglass Mineral Surfaced roll and allow it to relax in direct sunlight.
- ◆ Cut the roll into manageable lengths, typically 12 to 18 feet, before installation.
- ◆ Install a full width roll in a horizontal manner such that the edges are flush with eaves and rakes.
- ◆ For nailable substrates, mechanically fasten with approved roofing nails, driven by hand or pneumatically, spaced 9 inches o. c. in the center of the lap area, and two staggered rows fastened 18 inches o.c., 12 inches from each edge in the field of the sheet.
- ◆ Nails should be galvanized #11 or 12, a minimum of 1 inch long with 3/8 inch heads and long enough to penetrate the deck.
- ◆ All nails shall be covered. If any remain exposed, cover them with asphalt roof cement.
- ◆ Install the next course by overlapping a minimum of 2 inches on side laps and a minimum of 4 inches on end laps, or as per applicable Building Code.
- ◆ Stagger end laps a minimum of 3 feet on subsequent courses.
- ◆ Pay close attention to the laps because proper sealing is critical.
- ◆ All asphalt roofing cement is to be applied in thin, smooth, even layers over the entire width of the laps.
- ◆ To ensure product integrity, do not use excessive lap cement as it will cause blistering of this product. Apply lap cement conforming to ASTM D 3019 at the rate specified by the coating manufacturer.
- ◆ Press the lower edge of the upper course firmly into the cement until a small bead appears along the edge of the sheet.
- ◆ Using a roller, apply uniform pressure over the entire cement area.
- ◆ Install flashings in cement before nailing in place.
- ◆ For hot mop application, solidly mop the full width of the sheet to be covered, including the lap, in roofing asphalt. This can be accomplished by picking up the roll at each end and at the outside edge, turning it over, and setting it immediately onto hot mopping asphalt.
- ◆ Embed the roll in asphalt applied at the nominal rate of 25 lb per 100 square feet.
- ◆ Alternately, spot mop the deck with asphalt in 9-inch diameter circles, 24 inches on center, in all directions.

PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD	PRODUCT DATA	
Pliability at 25°C	Pass	ASTM D 228	Width	36 in
Unroll @ 50°F and 140°F	Pass	ASTM D 3909	Length	36 ft
Loss on Heating @ 221°F	0	ASTM D 228	Roll Size	108 Sq Ft
			Weight	72 lb (<i>nominal</i>)
			Rolls Per Pallet	22

WARRANTY

Fiberglass Mineral Surfaced Roll Roofing is warranted to be free from manufacturer's defects.

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