

BURmastic® FR

Cold Applied, Fire Rated Flood Coat for use with BURmastic Systems

Composition: BURmastic® FR is a proprietary asbestos free flood coat containing fire retardant additives.

Basic Use: BURmastic FR is designed for application as a protective flood coat with aggregate surfaced BURmastic Roofing Systems. BURmastic FR can also be used in other built-up roof systems as a fire rated, protective flood coat.

Limitations:

- Not intended to perform under ponding conditions. Positive drainage required.
- Not to be used as an insulation adhesive.
- Not to be exposed to solvents, oils or other contaminants harmful to asphaltic materials.
- Minimize foot traffic for at least 90 days.

- Backnail felts on roofs with slopes 2:12 (2" per foot) (16%) or greater. Do not install on roofs with slopes greater than 4:12 (4" per foot) (33%).

Grade: Spray/brush/squeegee. Can be heated to facilitate application by using an oil-jacketed heat exchanger.

EQUIPMENT

Spray: Pump 22:1 ratio.

Fluid hose: SAE 100R2, Type A

Hose Size I.D.	Maximum Working Pressure	Minimum Burst Pressure	
		psi	kPa
1/2" 13mm	3,500 (24 100)	14,000 (96 500)	
3/4" 19mm	2,250 (15 500)	9,000 (60 100)	
1" 25mm	2,000 (13 800)	8,000 (55 200)	

Spray tip: 0.052" to 0.072" (1.3-1.8mm) reversible.

Air Compressor:

Capacity - 175 to 250 CFM (0.08-0.12 L/s)
Working pressure - 80 to 90 psi (550-620 kPa).

Squeegee: Triangular notched to provide a thick uniform application.


Clean-up: Mineral spirits.

Packaging: Available in 5 (19L) and 55 (208L) gallon containers.

Storage Life: One year in unopened container.

APPLICATION DATA:

Gravel: Apply BURmastic FR over the roof surface at 5 gal/100 sq. ft. (2.0 L/m²). Immediately broadcast 400 lb/100 sq. ft. (19.6 kg/m²) of new, clean aggregate into the adhesive. Aggregate shall conform to ASTM D 1863-86.

Product Advantages	
Features	Benefits
Cold-applied	<ul style="list-style-type: none"> • No hot kettles or noxious odors • Reduces equipment needs
Lower odor than Hot BUR — asbestos free	<ul style="list-style-type: none"> • Can be easily used in restrictive areas; including schools and hospitals
Non red label	<ul style="list-style-type: none"> • Shipping, storage, and handling of adhesive can be completed with few restrictions at lower costs
Versatile/flexible application	<ul style="list-style-type: none"> • Can be used in limited access areas.
UL Classified 	<ul style="list-style-type: none"> • Fire protection
Excellent adhesive for aggregate	<ul style="list-style-type: none"> • Reduces aggregate displacement for prolonged roof life

Granule: Apply BURmastic FR over the roof surface at 3.5 gal/100 sq. ft. (1.4 L/m²). Immediately broadcast 60 lb/100 sq. ft. (2.9 kg/m²) of No. 11 roofing granules into the adhesive.

Precautions: Users must read and follow container labels and Material Safety Data Sheets for instructions and health and safety precautions prior to and during use.

Availability and Cost: Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

Maintenance: Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

Guarantee/Warranty: Tremco Inc. warrants BURmastic FR to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any BURmastic FR product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Technical Services: Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

Typical Physical Performance Characteristics

BURmastic® FR

Property	Typical Value	Test Method
Asbestos content	None	ASTM D 276-87
Viscosity @ 77°F (25°C)	120,000-240,000 Cp (120-240 Pa*s)	ASTM D 2196-81
Density @ 77°F (25°C)	8.5 lb/gal (1018 kg/m ³)	ASTM D 1475-85
Nonvolatile matter	70%	ASTM D 4479-85
Asphalt content, min.	42%	ASTM D4479-85
Flash point	>100°F (37°C)	ASTM D 93-85
Uniformity & consistency	Pass	ASTM D 4479-85
VOC*	300 g/L	ASTM D 3960-89

* Volatile Organic Compound

Statement of Policy and Responsibility:

Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure or any components below the building structure on which its products may be applied. If questions arise as to the soundness of a structure, its ability to support a planned installation properly, or whether material below the structure will be disturbed, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any failure of the structure or material below the structure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

TREMCO

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