



TECHNICAL DATA

#404 SEBS Modified Emulsion

SEBS Modified Asphalt Emulsion

DESCRIPTION

#404 SEBS Modified Emulsion is a single component, clay stabilized asphalt-based emulsion, modified with an SEBS polymer (Styrene Ethylbutydiene Styrene) to yield a permanently elastomeric waterproofing compound for cold process built-up roofing. #404 SEBS Modified Emulsion meets or exceeds the requirements of ASTM D 1227 Type III and Federal Specification SS-R-1781 Type III.

Each roof application has unique requirements and as such may require a specific system configuration and application. This product is manufactured to our product specification and our only obligation shall be to replace such product if proven to be defective. Thermo Manufacturing Systems, LLC does not assume responsibility for any defects in application of this product, or any deficiencies in any roof or substrates on which this product is applied, nor shall Thermo Manufacturing Systems, LLC be responsible or liable for injury, loss, or damage of any kind or character, direct or consequential, arising from the application, use or inability to use this product.

USES

#404 SEBS Modified Emulsion is designed for use in conjunction with specific polyester reinforcing ply felts to form an integral component of numerous UL classified roofing assemblies as well as an excellent below grade damp-proofing material. #404 SEBS Modified Emulsion is very useful as a primer. #404 SEBS Modified Emulsion is also used as a surface coat to embed gravel and granules over BUR and modified bitumen systems.

COLOR

Brown when wet and cures black.

STORAGE STABILITY

One year when stored in unopened containers at 40°F - 80°F. DO NOT FREEZE.

CLEAN UP

Water

PRIMER

On properly prepared surfaces, no priming is needed for application to plywood, most metal, BUR or modified bitumen.

CURE TIMES

When applied at 22 wet mils coating thickness and at conditions of 75°F and 50% relative humidity, #404 SEBS Modified Emulsion should reach final cure in 24 hours. Colder weather and/or higher humidity will tend to retard curing whereas warmer weather and/or lower humidity will tend to accelerate curing.

LIMITATIONS

#404 SEBS Modified Emulsion will freeze and should not be shipped or stored at temperatures below 32°F. #404 SEBS Modified Emulsion is not recommended for installations where ponding water is likely to occur for longer than 48 hours. #404 SEBS Modified Emulsion should not be applied when weather conditions will not permit drying, i.e. high relative humidity (>90%), just before rain, dew, freezing temperatures or sunset.

PACKAGING

Available in 5 gallon pails, 55 gallon drums and totes

SURFACE PREPARATION

#404 SEBS Modified Emulsion is supplied ready to use. Thinning is not required or recommended. If required, stir the materials slowly to ensure uniformity. DO NOT MIX AT HIGH SPEED. All surfaces to be coated must be clean, dry and free of any oil, grease or dirt.

APPLICATION INSTRUCTIONS

Apply by brush, roller with long nap, or conventional or airless spray equipment

WARRANTY

When installed by an approved applicator and with an approved maintenance program, various extended warranties are available for specific Thermo Materials® Roof Restoration Systems by notifying Thermo Manufacturing Systems, LLC **PRIOR** to job start. Call for details regarding warranty application documentation requirements.

APPROVALS



TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD
Weight per Gallon	9.0 lbs ± 0.5 lbs	
Solids Content by Weight	45% ± 2%	
Viscosity (KU)	> 140	
Viscosity (cPs)	10,000 – 15,000	
Elongation (unreinforced) % min. @ 73°F	750	ASTM D 412
Tensile Strength (unreinforced) nominal psi @ 73°F	300	

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