

Blome EC-7268
Asphalt Modified, Reinforced, Urethane Lining System

PRODUCT DESCRIPTION

Blome Lining EC-7268 is a two-component, elastomer lining based on high performance, polyurethane resin modified with a high temperature, fiber reinforced asphalt component. Lining EC-7268 cures to form a very tough, flexible and impermeable lining. The material exhibits excellent bond strength to properly prepared and primed concrete and steel substrates. Blome Lining EC-7268 remains flexible over a temperature range of -60°F to 212°F and is suitable for temperature excursions up to 220°F. EC-7268 is well suited to exposures of many chemicals including sulfuric, hydrochloric and phosphoric acids as well as caustic solutions.

TYPICAL USES

Blome Lining EC-7268 Asphalt Modified Urethane Lining is suitable for use in a variety of applications:

- Concrete Coating Applications Requiring Crack Bridging Properties.
- Sump Linings
- Chemical Spill Areas Requiring Acid Resistance
- Tank House Basement Floors
- Secondary Containment

HANDLING CHARACTERISTICS

Blome Lining EC-7268 is supplied as a two (2)-component product. It is packaged in pre-measured units. Part A must be thoroughly mixed prior to adding Part B

TYPICAL PROPERTIES WET

Components:	Two (2) – Resin and Activator
Mixed consistency:	Trowelable Fibrous Paste
Pot life:	50°F 60 minutes 77°F 40 minutes
Initial set:	50°F 8 hours 77°F 4 hours
Final cure	50°F 7 days minimum 77°F 5 days minimum

CURED

Color	Black
Elongation (with EC-125 Fabric)	82%
Elongation w/o EC-125 Fabric	400%
Solids Content	90%
Temperature Resistance	200°F (continuous) 220°F (excursions)
Bond Strength to concrete	Exceeds cohesive strength of EC-7268
Abrasion Resistance	Excellent
Impact Resistance	Excellent

PACKAGING, ESTIMATING & STORAGE

Blome Lining EC-7268 is supplied as a two (2)-component product, with a Resin and Activator.

Shelf life for Lining EC-7268 components is twelve (12) months. Keep Lining EC-7268 components tightly sealed in original containers until ready for use. Store components in a cool, dry place, out of direct sunlight, on pallets at temperatures between 50°F – 80°F. Protect Lining EC-7268 from water and weather in storage and on job site.

EC-7268 is packaged in a four (4) gallon unit. The following coverage rates are based on a substrate roughened similar to medium grit sandpaper:

EC-7268 @ 50 mils w/o Fabric – 25 sq/ft per gallon

EC-60 Fabric saturated with EC-7268 (60 mil thick lining) – 22 sq/ft per gallon

EC-125 Fabric saturated with EC-7268 (125 mil thick lining) – 11 sq/ft per gallon

EC-7268 @ 125 mils thick w/o Fabric – 11 sq/ft per gallon

BID SPECIFICATION GUIDE

Use Blome EC-7268 Asphalt Modified Urethane Lining as manufactured by Blome International, O'Fallon, MO (800) 886-3455.

JOB SITE ENVIRONMENTAL CONDITIONS

Blome Lining EC-7268 is best applied while ambient temperatures are between 60°F and 90°F. Blome Lining EC-7268 components and substrate temperatures must also be maintained in this range and at least 5 degrees above the dew point. For best results, store Lining EC-7268 components at 75°F minimum, for 24 – 36 hours prior to installation. Installations of Lining EC-7268 should be protected from water and weather during installation and curing. The first coat applied to concrete, usually the primer, must be applied when the air and concrete temperature is falling. This is to lessen the possibility of the formation of pinholes due to concrete outgassing which occurs during rising temperature situations. It is also important when coating concrete to protect the work area from direct sunlight.

SURFACE PREPARATION

Steel substrates should be prepared by abrasive blasting or grinding to achieve near white metal clean SSPC 10. Blasted steel substrates must not be allowed to flash rust prior to installing lining. Therefore, this surface preparation must be completed immediately prior to appropriate primer. For application to blasted steel, Blome 70 Polyvinyl Butyral Wash Coat Primer is recommended prior to installation of Lining EC-7268. Apply and cure Blome 70 Primer as directed.

Concrete substrates to which Blome Lining EC-7268 will be applied must have a minimum 28 day cure or have a minimum compressive

strength of 3,000 psi. Minimum tensile strength of concrete must be 300 psi. Concrete must be dry in accordance with ASTM D 4263 Plastic Sheet Test Method. Concrete surfaces must be free of all laitance, oil, curing compounds and any dust or other loose materials prior to installation of Lining EC-7268.

Concrete substrates to which Blome Lining EC-7268 will be applied should be primed using Blome 75 Epoxy Primer prior to installation of Lining EC-7268 lining. Apply Blome 75 to prepared concrete substrates using brush or roller, making certain to work primer into the pores of the concrete. Primer is ready to receive EC-7268 while it is still wet or cured tack free.

SAFETY PRECAUTIONS

Blome Lining EC-7268 Resin, Activator, and mixes of them present various health hazards if handled improperly. Lining EC-7268 Resin will cause eye injury and irritate skin and Lining EC-7268 Activator is an isocyanate material and is a skin and eye sensitizer. Wear respirator suitable for organic vapors, safety glasses with side shields, gloves and long sleeve shirts to prevent all contact with skin and eyes. After working with Blome Lining EC-7268, wash thoroughly before eating, drinking, smoking or other activities.

APPLICATION EQUIPMENT

Blome Lining EC-7268 is best mixed with a drill motor driven paddle blade or "Jiffy" mixer. When mixed, Lining EC-7268 is applied using a clean, dry, flat steel trowel, squeegee or roller.

MIXING AND APPLICATION

Non Fabric Reinforced Applications

Thoroughly mix Part A in its original container before adding Part B. Mix Resin (Part A) and Activator (Part B) together with a drill motor driven paddle blade or "Jiffy" mixer and blend thoroughly for 1-2 minutes. It is good practice to then transfer this mixture to a second pail, scraping the sides of the first pail into the second pail and remixing the unit, in the second pail for another 1-2 minutes.

Apply Lining EC-7268 over prepared and primed substrate the specified thickness.

Fabric Reinforced Systems

60 mil lining reinforced with EC-60 Fabric

Apply a 30 mil basecoat and immediately embed a layer of EC-60 Fabric and press into the base coat using a dry medium nap rollers. Overlap seams a min of 3". Apply a liberal coat of EC-7268 between overlapping fabric. Apply additional 30 mils topcoat of Lining EC-7268 to the EC-60 fabric using rollers to thoroughly saturate the fabric and leave no dull, dry spots. Final thickness of lining system should be 60 mils. Allow to cure 72 hours at temperatures above 70F.

CLEANUP

Fabric Reinforced Systems

125 mil lining reinforced with EC-125 Fabric

Apply a 50 mil basecoat and immediately embed a layer of EC-125 Fabric and press into the base coat using a dry medium nap roller. Overlap seams a min of 3". Apply a liberal coat of EC-7268 between overlapping fabric. Apply additional 75 mils topcoat of Lining EC-7268 to the EC-125 fabric using rollers to thoroughly saturate the fabric and leave no dull, dry spots. Final thickness of lining system should be 125 mils. Allow to cure 72 hours at temperatures above 70F.

All tools, mixing equipment, gloves and application equipment should be cleaned up immediately using a citrus or biodegradable cleanser, with hot water, while material is still wet. If material begins to cure, solvent-based cleaners will be required for removal.

WARRANTY

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. Our material data sheets and other literature are to be considered accurate and reliable, but are used as guides only. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANT ABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications; however, the user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for consequential or incidental damages. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole option, to repayment of the purchase price of the non-conforming goods.

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Supersedes all previous literature