



EC-56LV High Performance Polysulfide Coating

PRODUCT DESCRIPTION

EC-56LV is a 100% solids polysulfide elastomer that is used as a chemical and water resistant coating and lining system for concrete floors, cooling tower basins and other applications which demand flexibility for bridging moving joints and cracks. The product can be reinforced with one of two different high elongation fabrics to provide a system which will bridge working cracks as well as expansion joints. EC-56LV reinforced with EC-125 fabric can bridge cracks and expansion joint movement up to 1/2" without cracking. EC-56LV, as packaged, is a semi-leveling material. However, it may be used as a high build coating system by adding a third component, Part C, which is a non-silica thixotrope (when using reinforcing fabric, Part C is not required). The product may be applied by spray, notched trowel, squeegee, brush or roller. To make a trowel/caulk grade or putty, add Part C. EC-56LV provides a chemical and water resistant coating that exhibits good flexibility allowing it to accommodate crack movement. Concrete slabs with severe cracking problems, as well as all construction and expansion joints, may be sealed using EC-56LV reinforced with EC-125 or EC-60 Fabric. EC-56LV reinforced with EC-60 Fabric is ideal for use as a secondary containment lining.

PACKAGING AND COVERAGE

EC-56LV is available in 1 and 5 gallon units. Each unit consists of pre-measured Part A and Part B components. Bagged Part C thixotropic agent may be ordered separately. Coverage will be affected by the condition of the surface being coated (degraded vs. smooth, steel vs. concrete, etc.) and the applicator's ability to maintain consistent thickness. To calculate theoretical coverage per gallon, divide desired mil thickness into 1604. The result will be the number of square feet per gallon. The thickness of the coating system will vary depending on which fabric is used. The following is the thickness and theoretical coverage rates for fabric reinforced systems once they have been saturated with EC-56LV.

| FABRIC | THICKNESS* | THEORETICAL COVERAGE |
|--------|-----------------|-----------------------------|
| EC-60 | 60 to 70 mils | 20 to 24 square feet/gallon |
| EC-125 | 125 to 135 mils | 11 to 12 square feet/gallon |

*Thicknesses listed represent finish thicknesses after saturation of fabric. Over-saturation of the fabrics will increase finish thicknesses and decrease coverage rates.

TYPICAL PROPERTIES

| | |
|----------------------------------|--------------|
| With EC-60 fabric 60-70 mils | 60 – 70% |
| With EC-125 fabric 125-135 mils | 60 – 70% |
| Solids by volume: | 100% |
| Weight per Mixed Gallon: | 10 lbs |
| Pot life @ 75°F: | 30 to 35 min |
| Primer: | 75, Optional |
| Hardness - ASTM D-2240 Shore A: | 40 |
| Tensile Strength - ASTM D-412: | 200 psi |
| Tensile Elongation - ASTM D-412: | 350% minimum |

PACKAGING & STORAGE

Keep EC-56LV components tightly sealed in their original containers until ready for use. Store at 50°F to 85°F. The optimum temperature for material workability is 75°F to 85°F.

Properly stored EC-56LV has a minimum shelf life of six months.

CONCRETE SURFACE PREPARATION

Surfaces must be clean, dry and free of dirt, dust, oil or grease. The surfaces must not be contaminated with chemicals or any other types of contaminants prior to the coating being applied.

1. The concrete should be adequately cured.
2. Structurally sound.
3. Free and dirt and contaminants.
4. All defects should be repaired.
5. All loose coatings must be removed.
6. The concrete to be lined should be prepared by abrasive blasting, shot blasting, grinding or, in some instances, it may be acid etched check with Blome International technical service for specific recommendations.

APPLICATION OF REINFORCED SYSTEMS

1. EC-56LV may be applied by trowel, squeegee or roller.
2. Mix and apply Primer 75 at approximately 4-6 mils and allow to set firm to the touch before proceeding.
3. Pre-cut reinforcing fabric into easy to handle sections and have them clearly marked as to where they go before mixing any material. Allow for a two inch overlap of seams.
4. Premix EC-56LV Part A in its individual container prior to use.
5. Pour the entire contents of Part B into container holding Part A and mix thoroughly for 2-3 minutes using a Jiffy type mixer attached to a power drill.
6. Apply a 15-30 mil base coat of EC-56LV to the primed surface, and immediately imbed the fabric, using flat trowels or rollers and working from the center to the outer edges, remove any trapped air and cause the fabric to lay flat. Using a flat trowel, immediately apply additional EC-56LV to thoroughly saturate the fabric. Overlap seams two inches.
7. Allow to cure 36 hours before placing in service.

APPLICATION OF NON-REINFORCED SYSTEMS

1. EC-56LV may be applied by trowel, squeegee or roller.
2. Mix and apply Primer 75 at approximately 4-6 mils and allow to set firm to the touch before proceeding.
3. Premix EC-56LV Part A and Part B in their individual containers prior to use.
4. Pour the entire contents of Part B into container holding Part A and mix thoroughly for 2-3 minutes using a Jiffy type mixer attached to a power drill.
5. Apply EC-56LV to the specified thickness.
6. Allow to cure 36 hrs at 75°F before placing in service.

CAUTION

Blome EC-56LV may cause skin irritation with prolonged or repeated contact. Handle with care and read the material safety data sheet which is available for each product.

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 MERCHANTABILITY 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.