



Blome EC-86 SPRAYABLE EPOXY SURFACER

BLOME EC-86 is a three-component, aggregate filled, high performance, sprayable epoxy surfacer. **EC-86** combines the low cost of filled epoxy floor toppings with the quick and easy installation methods of sprayable coatings. **BLOME EC-86** offers excellent physical properties combined with good chemical and abrasion resistance. The material is spray applied using carousel or hopper type spray apparatus.

EC-86 is recommended for use as a resurfacer and coating material for protecting new and old concrete surfaces that are exposed to chemicals, salt water, weather, impact and abrasion. **EC-86** is easily installed at 1/8" on vertical surfaces and can be installed at thickness up to 1/4" on horizontal surfaces.

BLOME EC-86 is a high performance, chemically resistant Epoxy Surfacer. This system provides a tough, durable coating or overlay which protects concrete substrates from chemical attack and mechanical abuse. The material is resistant to most dilute acids, alkalis, solvents and salts. **EC-86** is especially suited for use in secondary containment areas, process flooring, and salt water protection applications on concrete substrates.

BLOME EC-86 exhibits excellent physical properties, including high bond strength to properly prepared, and primed concrete substrates. **EC-86** also exhibits superior compressive and flexural strengths, along with excellent impact and abrasion resistance.

EC-86 is easily installed to vertical and horizontal surfaces using spray equipment. Carousel or gravity feed, hopper type spray apparatus are used to apply **EC-86** at 1/8" thicknesses on vertical concrete substrates. This method of installation results in quick coverage of large areas, both horizontal and vertical.

INSTALLATION PROCEDURE

1. Follow surface preparation guidelines described in BLOME INTERNATIONAL Specification BCS-301.
2. Mix BLOME Primer 75 Epoxy Primer as directed and apply to substrate using stiff brush or roller. If roller is used apply pressure to roller, do not roll lightly.
3. Allow Primer to cure to a tacky film before applying EC-86 resurfacer (1-2 hours). If Primer is allowed to cure to a hard finish the area must be roughened up and reprimed.
4. Add the contents of the short-filled can of hardener (Part B) into the short-filled pail of resin (Part A). There is sufficient room in Part A pail to blend the complete unit. Mix Resin and Hardener thoroughly for 2-3 minutes minimum.
5. Slowly add the 40 pounds of EC-86 filler aggregate to the resin and hardener while mixing. Mix thoroughly to a uniform consistency, making certain there are no lumps of powder in the corners of the mixing container.
6. BLOME EC-86 is complete as supplied. DO NOT add water, sand, solvents, Portland cement or other adulterants to the material.
7. Pour the mixed EC-86 into the spray apparatus hopper and prepare to apply the material by spraying.
8. Do not install EC-86 over existing expansion joints in the concrete subfloor. Contact BLOME for expansion joint details.
9. If EC-86 is used on vertical surfaces the typical thickness is 1/8"; the material may be applied up to 1/4" on horizontal surfaces. Contact BLOME for details on horizontal to vertical transition areas.
10. EC-86 is spray applied in a single coat using multi-directional passes, building the material to desired thicknesses of up to 1/8" on vertical surfaces. Overlap each pass 50%, using cross spray method to reduce the possibility of pinholes in the cured lining.
11. If a non-skid surface is required for horizontal areas, broadcast silica sand into wet topping. Consult BLOME for sand sizing and use rates.
12. Allow the material to cure and protect it from water and weather for a minimum of 24 hours at 70°F before exposing it to traffic. For maximum strength and chemical resistance, a minimum cure of seven (7) days is required at 70°F.

TYPICAL APPLICATIONS

Secondary Containment	Floors
Tank Farms	Marine Concrete Structures
Food Plants	Chemical Processing
Packaging Lines	Water Treatment
Metal Processing	Chemical Storage

PROPERTIES

Compressive strength.....	9,660 psi
Flexural strength.....	2,540 psi
Tensile strength.....	1,790 psi
Coefficient of Thermal Expansion	
.....	13×10^{-6} in/in/°F
Temperature Resistance	
Splash and Spill Service..	160°F
Color.....	Gray

PACKAGING and ESTIMATING

<u>Component</u>	<u>Unit Size</u>	<u>Coverage</u>
Blome Primer 75 Epoxy Primer Resin and Hardener (2:1 ratio)	1.5 gallon 15 gallon drums	150 ft ² /gallon (coverage on concrete may vary)
Blome EC-86 Resin One pail per unit	10 lbs. short filled 5 gallon pail	Multi-Pack unit covers 46 sq ft at 1/8" thickness
Blome EC-86 Hardener One can per unit	3.25-lb can	
Blome EC-86 filler One bag per unit	40-lb bag	

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Supersedes all previous literature