

# ENVIROBED®

## High Performance Parge & Repair Mortar

### APPLICATIONS

Envirobed® is specifically formulated for ramping, repairing sidewalk trip hazards, small vertical curb or steps and internal or external concrete floor repairs suitable for use in wet and cold conditions. With superior compressive, tensile, and flexural strengths, Envirobed® provides all the performance but none of the environmental hazards of traditional resinous materials, such as hazardous waste disposal.



### TECHNICAL

Envirobed® is supplied as a two-component system which contains a blend of special cements, polymer graded aggregates and recycled glass. The combined components provide a high-performance mortar, which can accommodate depths 0-2" in one pass. If necessary, greater depths can be achieved by using layer-upon-layer method.

### PREPARATION

All surfaces should be free from oil, grease dust or any other visible contaminants. Remove all loose particles and work on a sound substrate. Pre-soak the area with clean water prior to application to aid bond. Remove ponded water before applying the product.

### MIXING

Envirobed® can be mixed by a forced action mixer or by drill and paddle. **Mixing by drill and paddle:** When mixing with a drill and paddle, we recommend that a mortar mixing paddle is used with a slow speed drill (around 300-400rpm), using a wide based mixing vessel such to give optimum performance, which will allow for the product to be worked on rapidly for at least 3 minutes. Note: Insufficient mixing will seriously reduce the performance of the product.

**Mechanical Mixing:** Pour contents of liquid bottle into mixing tub, leaving a small amount in bottle as indicated. Mix for 2 minutes, check consistency and add remainder of liquid if needed. This allows a change in consistency without affecting performance.

### PLACING

Apply the material over a presoaked area. Once mixed, Envirobed® should be applied firmly into position as soon as possible after mixing. Pay particular attention to edges and thin sections. Level up to the surface and finish using a steel float or trowel to close up the surface and seal the edges. Envirobed® is ideal for small areas of repair. Larger patches may require an alternative product such as QC10.

### CLEANING

Envirobed® should be removed from tools and equipment with clean water immediately after use. Cured material can also be removed mechanically.

### STORAGE

**Powder bag:** Store in closed original bags at temperatures between 41°F and 86°F. Avoid frost and sunlight. This product must be stored in unopened bags, clear of the ground in cool dry conditions and protected from excessive drafts. If stored correctly and used within 12 months of the date shown on the bag, the activity of the reducing agent will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2ppm) soluble Chromium (VI) of the total dry weight of the cement.

**Liquid additive:** Extreme temperatures can damage this product in liquid form. Store containers at temperatures between 41 F and 86 F. Liquid should not be exposed to excess heat, cold or frost during storage or when being transported between sites.

#### Contact Us

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**SHELF LIFE**

12 months in above conditions. **Please note:** The use of this product after the end of the declared storage period may increase the risk of an allergic reaction. High temperatures and high humidity will lead to a reduced shelf life.

**HEALTH, SAFETY & ENVIRONMENTAL**

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash your hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste responsibly and in accordance with local municipality requirements. A full material datasheet relating to this product is available from Da-Lee.

**QUALITY ASSURANCE**

All products are manufactured in a plant whose quality management system is certified / registered as being in conformity with BS EN ISO 9001. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept any liability arising from the application or use of our products because we have no direct or continuous control over where and how our products are used. All products are sold subject to our conditions of sale, copies of which may be obtained on request.

**TECHNICAL**

<b>Compressive strength (PSI)</b>	
1 hour	4350
3 hours	7690
24 hours	9280
7 days	10585
28 days	11310
<b>Tensile strength (PSI)</b>	
1 hour	480
3 hours	885
<b>Flexural strength (PSI)</b>	
3 hours	1740
<b>Bond strength (PSI)</b>	
	510
<b>Workability*</b>	
	15 minutes
<b>Set time*</b>	
	30 minutes
<b>Density</b>	
	144lb/ft3
<b>Coverage</b>	Approx 3.3ft x 15" x 15" standard ironwork cover and frame @ 20mm, dependant on bed depth, brickwork and substrate
<b>Yeild</b>	Bag and bottle: 2.35 gallons 113 units/m for the two component pack Plastic container: 2.11 gallons for the entire unit.
<b>Colour</b>	Light grey As with all raw materials, colour variation may occur. This does not affect the consistency or characteristics of the product.
<b>Unit/packaging</b>	18kg paper bag & 2.5 gallon bottle (48 units per pallet) 18kg bucket inc. 2 x 8kg bags and 2 x 0.26 gallon bottles (40 units per pallet)

\*Depending on temperatures - tests carried out at 68°F. Cool temperatures retard, warm temperatures accelerate product performance.