

ENVIROBED®

High Performance Parging & 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 of 0-2 inches in one pass. If necessary, greater depths can be achieved by using the 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.
TECHNICAL DATASHEET

STORAGE

Powder bag: Store in closed original bags at temperatures between 5°C/41°F and 30°C/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% (2 ppm) soluble Chromium (VI) of the total dry weight of the cement.

Liquid additive: Extreme temperatures can damage this product in its liquid form. Store containers at temperatures between 5°C/41°F and 30°C/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 authority 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

Compressive strength (MPa)	
1 hour	30.00
3 hours	53.00
24 hours	64.00
7 days	73.00
28 days	78.00
Tensile strength (MPa)	
1 hour	3.30
3 hours	6.10
Flexural strength (MPa)	
3 hours	12.0
Bond strength (MPa)	
	3.50
Workability*	
	15 minutes
Set time*	
	30 minutes
Density	
	2298kg/m ³
Coverage	
	Approx 1 x 400mm x 400mm standard ironwork cover and frame @ 20mm, dependant on bed depth, brickwork and substrate
Yield	
	Bag and bottle: 8.87 litres, 113 units/m ³ for the two component pack Plastic container: 8 litres for the entire unit
Colour	
	light grey <i>As with all raw materials, colour variation may occur. This does not affect the consistency or characteristics of the product.</i>
Unit/packaging	
	18kg paper bag & 2.5 litre bottle (48 units per pallet) 18kg bucket inc. 2 x 8kg bags and 2 x 1 litre bottles (40 units per pallet)

*Depending on temperatures – tests carried out at 20°C/68°F. Cool temperatures retard, warm temperatures accelerate product performance.