

# Vuba-Repair Epicrete



## Product Shot



## Patch Repair

### Product Description

Epoxy Concrete Repair

### Introduction

Epicrete is a heavy duty epoxy concrete repair mortar for a complete professional application. Vuba epoxy concrete repair is based on an epoxy resin system designed for horizontal and vertical cementitious surfaces, which can be applied indoors or outdoors to damaged and cracked concrete surfaces. Epicrete provides an incredibly tough naturally non-slip finish to damaged concrete floors, offering excellent chemical and abrasion resistance for industrial and commercial environments. This epoxy mortar will set hard in a relatively short period of time thus creating minimal production disruption.

### Composition

Fast curing epoxy resin binder and dyed quartz sand with an optimised grading curve.

### Size

10kg Kit

### Components

Each epoxy concrete repair kit is supplied in a single plastic bucket, containing the Resin A component and a tin with the Hardener B component.

### Coverage Guide

You can typically achieve up to 5m<sup>2</sup> per 1mm layer with a 10kg kit depending on the substrate type and condition. Smoother surfaces are more likely to achieve the full coverage than very rough and damaged substrates. The thickness applied directly affects coverage achieved. Please contact us if you require further advice.

Tip: Try to avoid under ordering and leaving yourself short on material. Applying in sections will not guarantee a uniform finish.

### Appearance

Epicrete epoxy concrete repair cures to a smooth, natural or coloured finish with a fine, naturally slip resistant texture.

**Note:** The surface finish to your epoxy concrete repair is dependent on the trowelling abilities of the user. We always recommend Epicrete to be

installed by experienced contractors where possible, to ensure a professional finish is achieved.

### Availability

We aim to dispatch all standard orders received before 12pm for next day delivery. Non-stock items may take up to 3-5 days.

### Typical Installations

Vuba epoxy concrete repair is suitable for indoor and outdoor use, either to be left as a wearing finish or overcoated with a choice of Vuba flooring products. Epicrete is generally used for filling and repairing missing and broken out areas but is also used for bedding anchors and railing posts. This epoxy concrete repair possess low slump qualities so can be successfully used to produce or repair kerbs, ramps and floor coving. Epicrete is typically used in factory and warehouse floors as well as external yards and car parks. Should you require guidance, please contact us.

### Durability

Epicrete epoxy concrete repair is capable of receiving regular heavy duty industrial abrasion including fork lift wheeled traffic. Please consult the thickness guideline below for suitability.

### Thickness

Vuba epoxy concrete repair is capable of being applied from feather edge to 100mm.

**Note:** Feather edging should not be exposed to a very heavy traffic. Vertical application should not exceed 15mm thickness. To avoid feather edging, the existing surface should be saw cut with an angle grinder to increase edge thickness and improve the strength of the subsequent repair.

### Substrates

Epicrete epoxy concrete repair adheres well to concrete surfaces, stone and sand/cement screeds. For alternative substrates please contact us for guidance and alternative recommendations.

### Samples

To ensure that you are choosing the right product for a large job, we always recommend purchasing an appropriately small amount to trial first. This allows you to gauge the achievable coverage as

well as seeing the type of finish and colour in person, which may sometimes appear differently to on the screen or printed out. This is also a good chance to practice the application method which may be a useful process if previous experience with epoxy concrete repair is limited. Hard samples may also be available upon request and can usually be posted within 1-2 days.

### Preparation

To ensure maximum adhesion and performance from Vuba products the correct preparation methods must be adhered to. Please see our 'Vuba Floor Preparation Data Sheet' for more information. The substrate must be protected from rising damp and be clean, dry and free of substances that could interfere with adhesion. The substrate must also fulfil the mechanical requirements for utilisation.

**Tip:** Ensure you have a mixing area clearly set out and you have planned the application process well before mixing, ensuring all tools are ready to be used so that the product pot life can be used effectively.

### Ambient Temperature

The temperature of the surrounding air and the substrate should not fall below 10°C during the application and curing periods.

**Note:** Condensation on surfaces to be repaired, which can occur if the temperature falls too low, considerably decreases adhesion.

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## Colours



Granite Grey

Slate Grey

Natural (Buff)

## Priming

We always recommend priming with our epoxy tack coat primer; Epibond before applying Epicrete epoxy mortar. This allows for a high strength chemical bond to the substrate. Please consult the relevant data sheet or contact our sales team for guidance.

**Tip:** If the substrate is very porous or weak, try applying a first coat of Epibond and leaving to cure. You should then apply your heavy duty repair mortar onto a second coat of Epibond whilst still tacky. This will ensure a successful chemical bond to the surface which is often compromised by directly applying onto porous surfaces.

## Mixing

Empty the entire contents of Hardener B into the Resin A container and stir using a mixing paddle in an electric drill on a slow speed. Mix until a homogenous mixture of uniform colour is achieved.

**Important:** Both components are pre-weighed and designed to be mixed together in their entirety. It is essential that the full amounts are mixed together and until homogenous to ensure the product cures correctly and to the desired uniform finish.

## Application Technique

The homogeneously mixed mortar is applied immediately to the tacky primer. Compact and smooth over with a Vuba flooring trowel within the 30 minute pot-life.

**Tip:** Brush your trowel clean regularly with Vubasolve xylene solvent during application. This helps to achieve a smooth, professional finish and neatly sealed edges.

## Tool Cleaning

Vubasolve xylene solvent should be used to clean any reusable tools. Splashes or spillages can also be removed with the help of Vubasolve and wiping with rags.

## Cure Schedule (20°C)

Pot life:	30 mins
Hard Cure:	12 hrs
Heavy Traffic:	24 hrs
Full Cure:	7 days

**Note:** Higher temperatures will decrease and lower temperatures will equally increase curing times.

## Maintenance

Epicrete floors can be easily cleaned using Vuba-Supaclean heavy duty alkaline cleaner. For increased protection you may wish to apply Vuba-Supasheen high solids floor polish or for a thicker sealed finish we would recommend one of our two part coatings or sealers. Our tyre mark remover is also safe to use on this epoxy concrete repair if required.

**Tip:** For a longer lasting concrete repair, general good housekeeping is always worthwhile. You ought to clean regularly and ensure any spillages are immediately addressed.

## Health and Safety

Please ensure that the relevant material safety data sheets provided are read and understood before applying this product. Contact us if you require further guidance.

## Technical Data

STRENGTH AFTER	24 HOURS	3 DAYS	7 DAYS
Tensile Strength	10.34 N/mm	2 17.20 N/mm	2 24.12 N/mm <sup>2</sup>
Compressive Strength	31.86 N/mm	2 50.20 N/mm	2 91.72 N/mm <sup>2</sup>
Flexural Strength	-	18.96 N/mm	2 22.40 N/mm <sup>2</sup>
Yield	10kgs - 5 litres		

**Note:** For any specific technical data not covered here, please contact our technical department.