

# Vuba-Repair Isopatch



## Patch Repair



## Deep Crack Repair



### Product Description

Rapid & Cold Set Epoxy Patching Mortar

### Introduction

Isopatch is a rapid setting and cold curing high strength epoxy patching mortar. Completely self priming, Vuba rapid & cold set epoxy patching mortar cures to heavy traffic within just 1-2 hours and is also applied effectively in sub zero temperatures down to -10°C. Isopatch is ideal for a quick turnaround in general conditions as well as inside or outside cold condition patch repairs. Isopatch provides excellent chemical & abrasion resistance together with an impervious, natural slip resistant surface in a range of colours. Users benefit from the 50/50 mix design which enables part mixing and therefore no wastage, ideal for DIY users applying in small quantities.

### Composition

A pre-weighed two component combination of high strength, fast curing epoxy resin binder and dyed quartz sand.

### Size

5kg Unit

### Components

Each 5kg unit of Isopatch is supplied as one part Resin A and one part Activator B, designed for a 50/50 mix.

### Coverage Guide

You will typically achieve up to 1m<sup>2</sup> @ 2.5mm depth with a 5kg unit of rapid & cold set epoxy patching mortar.

### Appearance

Isopatch provides a smooth, slip resisting, dust free surface which can be feather edged to match existing surface levels in a range of colour shades.

### Availability

We aim to dispatch all standard orders received before 12pm for next day delivery. Custom colours and non-stock items may take up to 3-5 days depending upon availability.

### Typical Installations

Vuba-Repair Isopatch offers outstanding strength, wear and impact resistance, chemical resistance and general long lasting performance. Rapid & cold set epoxy patching mortar is superb for repairing damaged concrete, joint edges and broken steps and kerbs etc. where quick drying or cold curing is required. Isopatch is also ideal for bedding in and setting manhole frames, bollards, guide rails, and bolt fixing. Typical environments include chill rooms in food processing, breweries and dairies etc as well as external freezing conditions or winter applications. Isopatch is not only suitable for floor surfaces but can be applied onto vertical surfaces such as bund walls, stair risers, coving and ramps.

### Anti Slip

Rapid & cold set epoxy patching mortar offers a naturally slip resistant surface in wet and dry, indoor and outdoor conditions. However, if further slip resistance is required, our anti slip additive Vuba-Adsafe can be broadcasted immediately after application for further anti slip performance. Please contact us for further guidance or consult the Vuba-Adsafe product data sheet.

**Note:** The 'fine' grade would be adequate for most applications, including outdoor environments.

### Durability

Isopatch epoxy patching mortar exhibits excellent strength capable of receiving repeated heavy duty wear and tear.

### Thickness

Rapid & cold set epoxy patching mortar can be successfully applied from a feather edge up to 100mm depth, depending on the application.

**Note:** Our recommendation is that vertical repairs are limited to 5mm layers.

### Substrates

Isopatch offers superb adhesion to a wide range of surfaces including concrete, wood, metal, tarmac and most general building substrates subject to priming requirements. Please contact us for alternative substrate queries.

### Samples

To ensure that you are choosing the right product for the 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 rapid setting repair mortars 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. Surfaces must be dry and free from grease, oil and other forms of contamination including any loose material. For DIY users we recommend that wire brushing is employed on most substrate types.

**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.

### Priming

Vuba-Repair Isopatch does not require a primer.

### Ambient Temperature

The ambient temperature during application and curing should be maintained between -10°C and 30°C.

**Note:** The ambient temperature level will directly affect the curing rate of the applied repair. Please bare this in mind when planning access.

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## Colours



Ash Grey



Slate Grey



Oxide Red

**Note:** The colours represented here act as a guide only. If the colour or final aesthetics are of prime concern, please contact us and request an actual sample of the required colour and product. We reserve the right to adjust or discontinue any colour in any range.

## Mixing

Stir each component separately before adding together at a 50/50 ratio. Mix until a homogenous mixture of uniform colour is achieved.

**Tip:** Only mix what you require, and what can be used within the 15 minute pot life. You can always save some for later.

## Application Technique

Apply the homogenous mix immediately within the 15 minute pot life using a steel trowel.

**Tip:** Apply to the desired depth, whilst continuously applying Vubasolve xylene solvent to the face of the trowel to release the build up of tack and to achieve an ultimately smooth finish.

## 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: 15 mins  
Heavy Traffic: 2 hrs  
Full Cure: 3 days

**Note:** Extended pot life is to be expected at lower temperatures, and equally reduced at higher temperatures.

**Tip:** For a quicker cure, try applying your repair as thick as possible. This creates more heat which induces curing as a result.

## Maintenance

Isopatch repairs can be easily cleaned using Vuba-Supaclean heavy duty alkaline cleaner. For increased protection you may wish overcoat with one of our paints, sealers or high solids polish. Our tyre mark remover is also safe to use on this epoxy patching mortar if required.

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

## Chemical Resistance

Rapid & cold set epoxy repair mortar is resistant to spillages of many chemicals commonly met within most industries. Please contact us with any specific concerns.

## Strength

	AFTER 2 HOURS	3 DAYS
Tensile Strength	12.50 N/mm <sup>2</sup>	25.12 N/mm <sup>2</sup>
Compressive Strength	35.50 N/mm <sup>2</sup>	92.50 N/mm <sup>2</sup>
Flexural Strength	-	23.60 N/mm <sup>2</sup>

**Note:** All test results are recorded at a room temperature of 20°C.

## Health and Safety

All users are recommended to use barrier cream and thoroughly wash with soap and water after use. Avoid skin and eye contact. If eye contact is made then rinse with clean water and seek immediate medical advice. Please read the relevant Material Safety Data Sheets provided in compliance with the requirements of EC Directive 91/155 before commencing application.