

Vubarock-Mortar



Application



Product

Product Description

High strength non shrink concrete repair mortar.

Introduction

Vubarock Mortar is a quick and easy DIY solution for almost instant high strength floor repairs. Suitable for inside or outside use, this 'just add water' mortar allows pedestrian and even heavy wheeled traffic exposure very quickly without compromising the strength of the repair. Vubarock is also suitable for floor repairs at low ambient temperatures and offers excellent freeze/thaw resistance and a non-shrink finish.

Composition

Vubarock is based on magnesia-phosphate cement pre-mixed with selected aggregates.

Size

25kg

Components

Single pack supplied ready for mixing with clean water.

Coverage Guide

Each 25kg of Vubarock Mortar combined with the correct amount of clean water will generally repair 0.5m² at a thickness of 22mm.

Appearance

Smooth grey finish dependant on the mixing and application technique employed by the installer.

Availability

Most orders of Vubarock are standard and available within 1-2 days. Morning orders are generally dispatched on the same day for next day delivery.

Typical Installations

Designed for repairing concrete where the minimum delay and work disruption is of high importance. Typical environments include cold store floor areas, roads, bridge decks, quays/crane rails, loading bays and warehouses. Vubarock is also regularly used around fixing bolts and for raising and levelling manhole covers, gratings, hydrants etc.

Durability

Vubarock offers very high abrasion resistance and some resistance to chemicals including de-icing salts.

Thickness

Vubarock Mortar is capable of effective repair at any thickness between 20mm and 150mm. For depths over 150mm please contact us for guidance.

Substrates

Any concrete or cementitious floor base.

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 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. All surfaces should be thoroughly sound and uncontaminated by dirt, oil or grease. The boundaries of the repair must be square cut and under no circumstances should "feather edging" be used.

Application Conditions

Vubarock can be applied in sub-zero temperatures, ranging from under -20°C up to over 30°C. When applying in temperatures below 5°C, pre-warm the mixer and equipment to a temperature of 25°C to 30°C with warm water before mixing. Likewise, where the temperature is above 30°C, the use of chilled water in the mix is required for ease of mixing and usability. We recommend keeping mixing equipment cool via use of cold water etc.

Note: In wet conditions, protect the areas for 30 mins as a minimum via tenting etc.

Priming

Vubarock offers a very high bond strength with no secondary bonding agents required. Although secondary bonding agents are not required, the area to be repaired must be thoroughly pre-wetted with clean water. Care should be taken, however, to ensure that all standing water is removed

Mixing & Application

Wet down the mixing equipment and drain off the free water, ensuring that all equipment is clean. Pour 1.5 litres of clean water into the mixer first then empty the full contents of the Vubarock container into the mixer and leave mixing for a minimum of 1 minute. If using a heavy duty drill and paddle ensure you continuously mix whilst slowly adding the product to the water. Pour onto the pre-wetted surface and always ensure correct compaction to a level surface by ruling with a firm, straight-edged tamping bar. Ensure you use the mixed material within the 10 minute working life.

Important: Do not add the water to Vubarock. Always add Vubarock slowly to the water whilst continuously mixing.

Note: Although stiff at the outset, workability will improve as mixing continues, to give the desired flow characteristics. On no account must further water be added.

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Tool Cleaning

Your tools will can be cleaned with fresh water whilst the product is still wet.

Cure Schedule (at 20°C)

Initial Set: 15 minutes
Heavy Traffic: 45-60 minutes

Note: For lower temperatures the times will be extended, and equally shortened for higher temperatures.

Maintenance

Vubarock repairs 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 one of our sealers/coatings. Our tyre mark remover is also safe to use on this waterproof mortar if required.

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

Compressive Strength

60 mins:	22 N/mm ²
3 hrs:	33 N/mm ²
24 hrs:	44 N/mm ²
28 days:	53 N/mm ²

Shelf Life

Up to 12 months from date of manufacture stored in cool, dry conditions.

Health & Safety

You should consult the relevant material safety data sheet prior to using Vubarock Mortar. Please contact us on 01481 778897 if you require any guidance.