Concrex® Vertical
Concrex® Vertical Cold Cure

Epoxy resin repair mortar for vertical and overhead repairs

Watco Concrex Vertical is a two part epoxy resin mortar with special lightweight fillers and is approximately a third of the density of ordinary mortars. Watco Concrex Vertical is very easy to use at height and on vertical surfaces.
When used with Watco Tack Coat adhesive primer the epoxy resin formula provides unparalleled adhesion to the substrate. It will not shatter under impact like conventional cementitous mortars. The cured surface is impervious to rain, will not be affected by frost or airborne pollution and is resistant to a wide range of chemicals.
Watco Concrex Vertical will cure in 3 - 6 hours, depending on temperature and will normally be unaffected by rain a few hours after application (at 20°C). Concrex Vertical Cold Cure will cure at temperatures as low as 0°C.

Areas of use:

- Damaged concrete pillars, sills, beams, render and stone work
- Frost spalled and damaged concrete surfaces
- Areas with exposed reinforcement

Features:

- Lightweight non-slump formulation
- Ideal for frost damaged and spalled concrete
- Durable, impervious finish
- Excellent adhesion and durability
- Fast curing

Colour

Grey

For more great products in the Concrex® range click here

Need help? Speak to the experts

Our dedicated and professional team are here to help you get the best results for your project.
They will talk you through the preparation and application stages when using **Concrex Vertical.**

Call our expert team on: 01483 418 418 (Weekdays 8:00am - 5:30pm. Saturday 9:00am - 12:00pm)

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1 Surface Preparation

Concrete and render – should be dry and at least four weeks old, free of previous coatings, contaminants and loose or friable material. Dusty, powdering surfaces of concrete should be wire brushed. Any exposed, rusty metal reinforcing should be coated with a suitable rust converter and primer to prevent further corrosion and left to cure thoroughly.
Stone – surfaces should be dry and free from contamination or algae etc.

2 Mixing

Each pack contains one tin of curing agent, one tin of resin and a blended aggregate. Tip the blended aggregate onto a mixing board. Empty the contents of the small tin into the larger tin and mix together thoroughly. Empty the mixed components onto the aggregate and mix using a trowel. The more thorough the mixing, the 'wetter', smoother and more manageable the mix becomes. Alternatively, you can knead the mixture by hand wearing suitable gloves. It is important to mix thoroughly until you achieve a consistent colour.

3 Application

Apply Watco Tack Coat in accordance with the instructions. When the Watco Tack Coat becomes tacky, the Concrex Vertical should be trowelled firmly onto the surface. Final smoothing should be carried out with a steel float. To prevent 'drag' when using the trowel or float, it is advisable to occasionally wipe the blade of the tool with a rag moistened (but not saturated) with white spirit.

4 Safety

Avoid contact with the skin. Gloves are recommended. Cleansing creams should be used after accidental contact with the skin and/or washing with plenty of soap and hot water. Accidental contact with eyes should be treated by flushing with water for 15 minutes and medical advice sought.
Food products must be removed from the area during application and cure.
Please refer to detailed Health and Safety information sheet issued in compliance with C.O.S.H.H. All products labels provide general safety information.
Material Safety Data Sheets are available.

5 Ordering

Available direct from Watco UK Limited and through agents worldwide. All Watco products are sold subject to the Company's Standard Conditions of Sale.
The Company and its representatives are often asked to comment on potential uses of Watco products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by Watco.

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Datasheet

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Specification

Composition	Epoxy resin mortar with lightweight fillers.
Number of Components	2
Finish	Smooth, impervious surface.
Priming	Use Watco Tack Coat or Tack Coat Sub Zero for cold temperatures
Usage Interior/Exterior	Interior & exterior.
Application Tools	Steel float or trowel.
Suitable For	Concrete, render and stone.
Pack Size	10kg
Coverage	Approximately 2.4m^2 at 5mm thick
Curing	3-6 hours, at a temperature range of 15°C - 30°C. The higher the temperature the shorter the curing time. Protect from rain as far as possible for the duration of the curing period. Do not subject to temperatures in excess of 60°C. The curing of Concrex Vertical will be slowed and eventually halted at temperatures of 10°C and below. At these temperatures use Concrex Vertical Cold Cure.
Cleaning	When fully cured, detergents or degreasants may be used to clean the surface. Do not steam clean or subject to temperatures in excess of 60°C.
Pot Life	30-60 minutes at a temperature range of 15°C - 30°C. The higher the temperature the shorter the working life. If Concrex Vertical is used past its working life adhesion to the surface will be greatly reduced.
Cleaning Tools	Clean with white spirit or similar solvent before the Concrex Vertical cures.
Shelf Life	12 months in unopened containers.
Storage	Store for 8 hours prior to use at a temperature of between 15°C - 25°C maximum. After long term or high temperature storage the resin/filler material must be thoroughly mixed prior to the addition of the curing agent to redisperse the liquid resin component throughout the filler. Do not allow to freeze.
Safety	All product labels provide general safety information. Material Safety Data Sheets are available.
Chemical Resistance	Resistant to spillages of the following at 20°C: Salt solutions, Caustic soda and metasilicate based cleaning preparations, Dilute Nitric, Sulphuric and Hydrochloric acid, Citric acid, Fuel oils, Petrol and Paraffin.
Principal Limitations Please contact us regarding applications not described here.	Concrex Vertical has excellent adhesion, chemical and weather resistance but due to the lightweight fillers used it will not have the same resistance to impact damage as Watco Concrex. Concrex Vertical will however not shatter like concrete under impact. Concrex Vertical may not be impervious at thicknesses less than 5mm. Concrex Vertical is not suitable for structural or bonding applications and is intended for surface 'facing' and 'filling' only.

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