

Pavepatch



Pavement Repair Mortar for Industrial Applications

USES

Pavepatch is a high strength cementitious topping for reinstatement of industrial concrete floors. Pavepatch is formulated to provide maximum strength while minimising shrinkage enabling large areas to be completed in one operation.

Pavepatch is suitable for repairs ranging from 10mm – 50mm in depth.

BENEFITS

- High strength, hard wearing and impact resistant
- No metallic iron content to cause staining or disruptive expansion
- Low Shrinkage
- Integral bond with the base concrete
- High ultimate strength and low permeability ensure the durability and resistance to oil, grease and water

TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

APPLICATION

Priming

Prime the concrete with Renderprime just prior to commencing the repairs. Apply the primer with a roller, broom or spray to give an even film over the surface. Porous concrete may require priming a second time to seal the surface.

DESCRIPTION

Pavepatch is supplied as a ready to use, factory prepared, dry powder. Pavepatch is a blend of Portland cement, graded aggregate and chemical additives which reduce water demand and produce an easily trowelled concrete finish.

TYPICAL PROPERTIES

Compressive Strength @25°C

24 Hours	30 MPa
7 Days	50 MPa
28 Days	55 MPa
Setting Times	
Initial Set	110 minutes
Pedestrian Traffic	24 hours
Vehicular Traffic	48 Hours

Installation

Screed the freshly mixed mortar over the primed floor to give the required levels or falls. Compact the mortar using a wooden float, and finish to the required standard using either a float or steel trowel.

Ensure a constant supply of freshly mixed Pavepatch to ensure continuity in the screed.

CURING

On completion of the trowelling operation, exposed areas should be thoroughly cured. This should be done by the use of Pavecure A, a liquid curing membrane.

LIMITATIONS

For low temperature working, when the air is 5°C on a falling thermometer, normal precautions for winter working with cementitious materials should be adopted.

At ambient temperatures above 35°C, ensure sufficient labour for applying and trowelling are available to finish the surface to the required standard before the final set has commenced. Good curing is essential under hot and/or windy conditions.

Mixing

Add the required mixing water (1.8 litres) to the mixer and slowly introduce the Pavpatch while mixing. Mix for 3 – 4 minutes using a forced action mixer suitable for mortars.

ESTIMATING & SUPPLY

Pavpatch is supplied in 20kg moisture resistant bags. Coverage is around 20 kg/m² @ 10mm

PRECAUTIONS

Pavpatch contains cement powders which, when mixed or become damp, release alkalies which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.

Locations:

Vic

Factory 7
7 – 9 Brough St
Springvale.Vic.3171
Ph: 03 9701 3955

WA

6B Chalkley Place
Bayswater.WA.6053
Ph. 1300 816 711

Website

www.aitkenfreeman.com

CLEAN UP

Pavpatch should be removed from tools and equipment immediately after completion using water. Cured material can only be removed mechanically.

STORAGE

Pavpatch has a shelf life of 12 months if kept in dry store in unopened, sealed bags. If stored in high temperature and/or high humidity locations, the shelf life may be significantly reduced.

ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

Refer to Material Safety Data Sheet for precautions and personal protection

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