

SOLPATCH

Rapid Set Repair Mortar



Solpatch is a blend of ordinary and specialist cements, high quality graded aggregates and a unique combination of polymers and admixtures

- Easily applied, suitable for hand or machine application.
- Provides a powerful bond onto wet concrete substrates.
- Anti-washout properties & Chloride free.

Colour	Product Code	Container Size
Grey / White	SOLPATCH8	8Kg
	SOLPATCH25	25Kg



SOLCEM - Building Chemicals & Admixtures

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Product Description

Solpatch is a blend of ordinary and specialist cements, high quality graded aggregates and a unique combination of polymers and admixtures.

When mixed with water it produces a putty like mortar with an excellent wash out resistance and a powerful bond onto wet concrete substrates.

Solpatch is available in colours grey and white. These can be blended to match most shades of concrete..

Typical Uses

- Repair or caulking of precast tunnel segments, the pointing of tunnel bolt holes, re-pointing of brick, blockwork and repairs to deshuttered concrete in dry and damp environments.
- Solpatch can be used in moderate water conditions but should not be used or placed under water.

Features & Benefits

- Designed to provide a powerful bond onto wet concrete substrates.
- Suitable for both hand and machine applications.
- Contains no chlorides

Mixing instructions

Solpatch should be mixed using water which complies with BS EN 1008 (as for concrete). Solpatch should be mixed in a suitable container using either an electric (1 Kw) or pneumatic power tool. Solpatch should be added carefully to the water, progressively mixing until a putty lie consistency is achieved. Small quantities can be mixed by hand, care being taken to accurately measure the water at a dosage rate of 16%. Once mixed the material must not be re-worked. NB. Due to the rapid setting times the material should be placed immediately after mixing.

Placing

Ensure all surfaces with which the mortar will come into contact are clean and dust free. Ideally concrete substrates should be thoroughly soaked for several hours prior to the mortar being applied to reduce suction. Immediately prior to placement all excess water should be removed.

Any mortar exposed to wind or drying conditions should be suitably protected preferably by coating with a wax free curing agent such as Solcure WW. Any mortar that is likely to be subject to low temperature immediately after placing or during its early strength development should be protected by covering with hessian or other insulative material.

Packaging

25 kg sacks, palletised and shrink wrapped (40 / pallet)
25 kg buckets (40 / pallet)
8 kg bucket (120 / pallet)

Storage

Solpatch should be stored in cool dry areas clear of the ground sheeted or under cover.

Shelf life

Shelf life is minimum 3 months but could be in excess of 6 months subject to temperature and humidity.

Health & Safety

Solpatch is mildly alkaline. Avoid skin contact and inhalation of powder. Reference should be made to the separate Solpatch Health and Safety leaflet.

Typical performance	
Compressive Strength	
6 N/mm ²	1 Hour
9 N/mm ²	3 Hours
13.5 N/mm ²	1 Day
33 N/mm ²	28 Days
Water / Solid Ratio	0.16
Pot life	7 mins
Yield / 25Kg	13.5 Litres
Yield / tonn (m ³)	0.54
Shrinkage	> 0.001%