

SOLCEM

Solpatch Grey

Rapid Set Repair Mortar

DESCRIPTION

Solpatch Grey 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. These can be blended to match most shades of concrete.

Colour	Product Code	Size
Grey / White	SOLPATCHG8	8kg
	SOLPATCHG25	25kg

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 Grey 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 Grey should be mixed using water which complies with BS EN 1008 (as for concrete).
- Solpatch Grey should be mixed in a suitable container using either an electric (1 Kw) or pneumatic power tool.
- Solpatch Grey should be added carefully to the water, progressively mixing until a putty like 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 water.

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 (4 / pallet). 25 kg buckets (40 / pallet). 8 kg bucket (120 / pallet).

STORAGE

Solpatch Grey 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.

TECHNICAL DATA

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
Shrinkag	>0.001%

HEALTH & SAFETY

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