

DESCRIPTION

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

ADVANTAGES

- Curing and sealing in one operation saving time and labour
- Touch dry within 2-6 hours
- Curing efficiency 75% in accordance with ASTM C309
- Provides abrasion resistant hard wearing easy-clean surface
- Ready to use, easy to spray application

USES

Sitepatch is a rapid set structural repair mortar for either machine or hand applications. Example uses would include the 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.

Sitepatch can be used in moderate water conditions but should not be used or placed under water.

SPECIAL PROPERTIES

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

TYPICAL PERFORMANCE

Compressive Strength N/mm²

1 hour: 6.0

3 hours: 9.0

1 day: 13.5

28 days: 33.0

Water/Solid Ratio: 0.16

Pot life: 7 mins

(can vary with temperature)

Yield/25 kg: 13.5 litres

Yield/tonn (m³): 0.54

Shrinkage: less than 0.001%

MIXING INSTRUCTIONS

Sitepatch should be mixed using water which complies with BS EN 1008 (as for concrete). **Sitepatch** should be mixed in a suitable container using either an electric (1 Kw) or pneumatic power tool. **Sitepatch** 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.

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 **Ecocure 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

Sitepatch should be stored in cool dry areas clear of the ground sheeted or under cover. The product should be used on a first in – first out basis.

SHELF LIFE

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

QUALITY ASSURANCE

Products are manufactured under quality assured schemes.

Inform UK Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Inform UK Ltd Terms and Conditions of Sale, copies of which are available on request. Inform UK Ltd endeavours to ensure that the above data and any further advice is correct, however Inform UK Ltd cannot accept liability for the use to which products are put or in the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations so no over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

INFORM SITEPATCH GREY & WHITE



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1.0 IDENTIFICATION OF SUBSTANCE/PREPARATION

Product Name: Sitepatch
Description: Wall tie sealing compound
Company: TU-Chem Limited
 26 Elton Avenue
 High Barnet
 Herts, EN5 2EA
 Tel: 020 8447 0840

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient: Portland Cement
Concentration% > 25
CAS 65997-15-1
Haz. Xi
R.phrases R36/37/38-41
Risk Phrase:
 R36-37/38 Irritating to eyes, respiratory system and skin
 R41 Risk of serious damage to eyes

3.0 HAZARD IDENTIFICATION

Irritating to eyes and skin. Risk of serious damage to the eyes. Product forms a strong alkaline solution on contact with water or moisture. Repeated or prolonged contact of the skin with the product or its solutions may cause irritant or allergic contact dermatitis. Product may cause serious burns and ulceration. May be toxic to aquatic life in some circumstances.

4.0 FIRST AID MEASURES

Skin contact: Remove contaminated clothing. After contact with skin, wash immediately with plenty of clean water (S28). Seek medical attention if irritation persists.

Eyes contact: Speed is essential. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice (S26) Eye wash stations should be available in areas where exposure is possible.

Ingestion: Do not induce vomiting. Wash mouth out with water. Drink plenty of water and seek medical attention.

Inhalation: Remove patient from exposure, keep warm and at rest. If dry powder has been inhaled, the nose and throat should be thoroughly irrigated with water for at least 20 minutes.

5.0 FIRE FIGHTING MEASURES

Extinguishing media: Will not support combustion. Compatible with all standard fire fighting techniques.

Exposure hazards: Fire or decomposition products may contain oxides of carbon. The powder releases alkalis on contact with water and chemically hardens.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection (S36/37/39). Avoid contact with eyes (S25). Do not breathe dust (S22)

Environmental precaution: Do not allow product to enter drains or water courses. Advise local authorities if this is not possible.

Clean up procedures: Carefully sweep or vacuum up the product and transfer to marked containers to await disposal.

7.0 HANDLING AND STORAGE

Storage conditions: Store in dry frost free conditions, in original containers. Protect from moisture..

Handling: Wear suitable protective clothing, gloves and eye/face protection (S36/37/39)

Eye wash stations should be available in areas where accidental exposure is possible

The normal precautions relating to handling chemicals must be observed.

Use to minimise the creation of dust and ensure of dust and ensure adequate ventilation to keep the airborne concentrations below the recommended exposure limits.

8.0 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Portland cement: Total inhalable dust – 10mg/m³
 Respirable dust – 4mg/m³

Respiratory Protection: Normal conditions of ventilation are usually adequate. Wear a fine particle mask or use local exhaust ventilation as necessary when mixing in confined areas with inadequate ventilation or whenever there is any risk of the exposure limits being exceeded. This applies not only to the user but to all people who cannot be vacated from the work area.

Hand protection: Use heavy duty gloves. Gloves may degrade or be damaged according to different circumstances of use. Always ensure gloves you are using are in good condition. Barrier creams may help to protect exposed areas but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection: Eye protection designed to protect against liquid splashes, conforming to EN1166 Chemical Grade, should be worn when handling dry powder or when there is risk of mixed material entering the eye. Eye protection is essential when handling alkaline material.

Skin protection: Wear suitable overalls. Remove grossly contaminated clothing and wash skin with plenty of clean water. Practice good personal hygiene.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Concrete grey granular powder

Odour: None

10.0 STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Will hydrate in contact with water or water vapour

11.0 TOXICOLOGICAL INFORMATION

Inhalation: Powder may cause inflammation of the mucous membranes.

Skin: Powder or any powder/water mixtures may cause irritant contact dermatitis. Allergic dermatitis and/or burns

Eye: Risk of serious damage to eyes. Mild exposure can cause soreness. Gross exposures or untreated mild exposures can lead to chemical burning and ulceration of the eye.

Ingestion: Unlikely to cause any significant reaction. Larger doses may result in irritation or blockage of the gastro-intestinal tract.

12.0 ECOLOGICAL INFORMATION

Product should not be disposed of into rivers or other water courses without pre-treatment. Measures should be taken to prevent the release of dust to the environment. Attention must be paid to local water treatment regulations.

13.0 DISPOSAL CONSIDERATIONS

The product is not classified as hazardous waste and is suitable for controlled waste site disposal. Do not allow into water courses or dispose of where ground or surface waters may be affected.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14.0 TRANSPORT INFORMATION

Conveyance classification: Not classified



15.0 REGULATORY INFORMATION

EC Hazard Classification:

Xi Irritant
R36/37/38 Irritating to eyes, respiratory system and skin
R41 Risk of serious damage to eyes

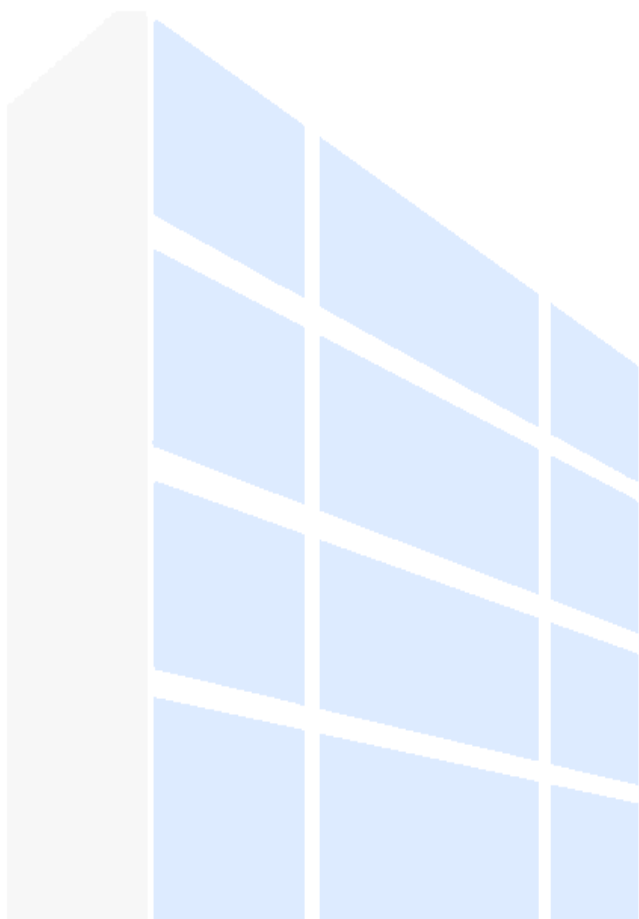
Safety Phrases:

S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice
S28 After contact with skin wash immediately with plenty of soap and water
S36/37/39 Wear suitable protective clothing, gloves and Eye/face protection

16.0 OTHER INFORMATION

Training advice: The user should be trained to handle the products to avoid the creation of dust and be fully aware of the reactions and hazards.

Legal disclaimer: The information supplied in this document is based on the data available to us and is believed to be correct. However we make no warranty expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from use of this product described in this document.



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