

1. Confirm that your brick absorbs water. Splash a cup of water onto the brick. If the water beads up and runs off, your brick cannot be stained. It may have a coat of sealant applied, or it may be a non-absorbent type of brick. If this is the case, contact a brick restoration specialist to see if the coating can be removed.
2. Check weather conditions. The brick surface should be completely dry and clean. Exterior brick surfaces should not be stained during wet or windy weather to avoid dripping and uneven drying. Temperature is usually only a concern at cold and hot extremes. We recommend carrying out tinting in temperatures ranging from 5°C to 32°C.
3. Clean the bricks to remove mildew, stains, and dirt. Lightly soiled bricks can be cleaned with a simple pressure washer. Heavily soiled bricks may require the use of super-heated steam pressure washing or even a chemical brick cleaner. Damaged bricks can be repaired with Total Wall Care Brick Repair.
4. To protect yourself and the area from splashes, wear gloves, old clothes, and safety glasses. Use painter's tape to seal off areas you do not intend to stain, such as window sills, door frames etc.  
As long as you're careful during application, you do not need to seal the mortar lines between bricks. Keep a bucket of clean water nearby so you can quickly rinse spills.
5. Create the colour required by measuring and recording small amounts of the required pigments and mixing them with 50ml of clean water.
  - 5.1 Ensure that the pigments are mixed thoroughly
  - 5.2 Test the solution in an inconspicuous area (although this test solution can be washed off with water, a small amount of pigment may remain. Without a fixative this would disappear over time).
  - 5.3 Allow the test area to dry completely.
  - 5.4 Adjust the colour by adding further pigment(s). Mix thoroughly and make a note of all quantities used.
  - 5.5 Repeat the test until you are happy with the colour achieved.
  - 5.6 Wash all test areas thoroughly. A domestic pressure washer will keep any residual pigment to a minimum.
6. When you are happy with the colour achieved scale up your recipe to make the required amount of tint solution using fixative in place of water. Note - the fixative can be diluted with water to a ratio of 1 part fixative to 2 parts water.
8. Once thoroughly mixed, pour the contents into a suitable clean container such as a paint kettle. Make sure you can easily fit your brush into the container.
9. When you are happy with the colour apply the stain.
  - 9.1 Stir solution thoroughly in a figure eight pattern each time you dip the brush.
  - 9.2 Dip and drain the brush. Use an ordinary paintbrush, about as wide as a single brick. Dip it into the stain, then press it against the side of the container nearest to you to drain excess stain. Don't use the side of the container opposite you, or splashes could hit the wall.
  - 9.3 For brick-and-mortar structures, run the brush along a single brick in one smooth motion. For brick pavers or other surfaces with no material between them, brush on in overlapping strokes, covering each surface twice. In either case, immediately touch up minor gaps with the corner of the brush.
  - 9.4 To avoid splashing, pull the brush toward the direction of the hand you are using (e.g. left to right for right-handed people).
  - 9.5 Dip and drain the brush after every 3rd or 4th stroke, or when you notice it's leaving a less even layer of stain. Stir in a figure of 8 each time to keep the colour even. Do not dip the brush partway through a single brick unless absolutely necessary.
  - 9.6 Tint bricks in a scattered pattern. If you stain the bricks in a row, you may get darker or lighter colour at one end, when you reach the bottom of your stain container. By staining in a scattered pattern, any subtle differences will replicate the natural look of brick.
10. Clean up any drips immediately. Drips can leave darker streaks that are difficult to remove once set. Wipe them up with a damp rag immediately. Drain the brush against the side of the container to prevent more drips.  
If you accidentally stain the mortar between bricks and can't wipe it all off, scrape off the colour gently with a suitable metal tool.
11. Stain the mortar (optional). If you plan to stain the mortar, use a narrow brush that can fit inside the mortar lines.
12. Clean up. Wash all tools promptly with clean water to avoid dry residue. Any excess stain can be carefully poured back into the original container using a funnel.
13. Wait for the stain to dry. Drying time varies significantly with temperature, humidity, and brick porosity. Good air flow across the brick's surface will speed this up.
14. Stand back and admire your handy work.

**Coverage** Coverage depends on the porosity of the substrate and effect required. Determine coverage with a trial application. Typical coverage 20-25m<sup>2</sup>/Litre.

**Storage** - Store in a dry area, away from direct sunlight. Storage conditions should be in the range of 5°C – 25°C with low to average humidity. Average shelf life is six months in original, unopened packaging.

## SAFETY INFORMATION

- **Keep Out of Reach of Children**
- Irritating to eyes and skin
- Avoid contact with eyes and skin
- Risk of serious damage to eyes
- In case of contact with eyes and skin rinse immediately with plenty of water and seek medical advice
- If swallowed seek medical advice immediately and show container.
- Gloves and eye protection should be worn during mixing and application.
- Contains Potassium Silicate: 60% W/W CAS No. 67/548/EEC
- Contains Natural and Synthetic Pigment: CAS No. 1309-37-1
- May contain Amorphous Silica CAS No. 7631-86-9

# Total Wall Care Colour Match Products

A range of high quality products for colour matched repairs to brick and natural stone elements. All of the products enable the existing colour to be matched or changed without affecting the substrate's ability to breathe.



## Brick Repair Mortar

Hydraulic lime based repair mortar for the repair and restoration of brick. The mortar is extremely workable enabling the recreation of contours and profiles, and surface textures. It is a perfect solution for refacing crumbling bricks, and repairing chips and impact damage. Available in a range of colours and sizes.



## Pointing Mortar

Available in a range of sizes, colours and grades, this high quality, lime-based pointing mortar is ready to use once mixed with water. The mortar is extremely workable enabling both smooth and textured finishes with appropriate tooling techniques.



## Colour Matching Tints

Simply shake to use, permanent brick tint. For staining mismatched bricks, replicating ageing and discolouration, to recolouring entire buildings. Can be used on brick, porous natural stone, concrete and mortar beds. Available in a range of sizes, colours and grades, as well as Soot Wash and Lime Wash.



## Crack Injection Kit

Available in a range of common brick colours, this specialist, lime-based crack injection mortar is ready to use once mixed with water. Supplied with a syringe for injecting into narrow cracks.

*Please see website for full range of colours and current special offers!*



## Professional Brick Tint Kit

Enables the trade professional to create their own shades of brick dye for staining brick, natural stone, concrete and mortar. Contains 4 x 1L of Base Tinting Fixative (makes 12L fully diluted) and 14 x 75ml of pigments.



## Professional Brick Repair Kit

Contains 400ml all 16 Colours of Brick Repair Mortar along with Soot Wash and Lime Wash. It's a excellent kit for carrying out small repairs and sample/test panel repairs.



## Brick Tint Multi-Packs

Build your own multi-packs. Mix and match from from the full range of brick tints to build your own 3, 6 or 12 x 300ml packs. Perfect for replcating walls of varying coloured bricks, ageing and natural colour variation.

Also available as a combined "Brick Restoration Kit" at a special rate. Please see website for details.



# Total Wall Care Cleaners & Protectants

A range of high quality products for cleaning and protecting walls from the elements, pollution and vandalism.

In order to protect the environment and the health of the applicator, our range of cleaners and protectants are either water-based or, where absolutely necessary, low toxicity solvent based.

Cleaning, protecting and consolidating substrates without changing their colour or gloss is imperative and extensive testing has been carried out both in the laboratory and in the field to keep the possibility of this to an absolute minimum. All available in 1L, 2.5L and 5L sizes.



## Alkaline Cleaner

A strong, water based, alkaline cleaner for compact carbonate stone. To remove the surface patina caused by pollution on carbonate matrix materials. It effectively removes grease and oily substances.



## Anti-Graffiti Coating

A mixture of organic silicon compounds and micro-crystalline waxes in a water solution. Protects stone materials and structures from the spray paint used in graffiti, so that it can be easily removed.



## Biocide Cleaner

A biocide suitable for wide-ranging use, it is non film-forming on the surface and it doesn't alter the original colour of the substrate. Used to remove algae, lichen, mould, yeast, moss, fungi etc.



## Delicate Cleaner

An ammonium bicarbonate-based stone cleaner. It is suitable for delicate stone materials of carbonate type and/or silicate matrix stone materials. It is recommended specially for removing "black crusts".



## Graffiti Remover

Ideal for removing graffiti from delicate stone materials, brick, fine marble, natural stone, lead-polished stone, imitation stone, concrete, metal and glass. The product also removes glue left behind by adhesive tape.



## Oil Stain Stop

Eco-friendly, water and oil-repellent protective coating with biocide function. Protects walls from water and oil without altering their colour. Suitable for natural stones, marble, granite and concrete.



## Stabiliser

Protects and consolidates both silicate matrix and carbonate matrix stone materials, It protects materials by limiting water absorption and it also improves the surface cohesion of the stone.



## Storm Pro

Ecological, water based, water-repellent protective coating. Protects substrate from frost, salt water, condensation and airborne pollution. Does not change the appearance or reduce the permeability of the substrate.



## Storm Pro Plus

Protective, hydrophobic coating. Penetrates deeper into the substrate to provide an extremely effective means of protection against acid rain and other pollutants.

# HELICALFIX®

Steadfast work in close partnership with one of Europe's leading manufacturers of precision engineered helical bar products to bring you our HelicalFix range of helical masonry reinforcement products. With proven, successful and reliable installation spanning back several decades, helical reinforcement bar has a tensile strength that is twice that of normal stainless steel, and has unique torsional elastic yield characteristics particularly when combined with thixotropic, cementitious grout which locks between the fins and bonds to the masonry.



## CRACK STITCHING BARS

High tensile, austenitic stainless steel, helical crack stitching bars for reconnecting cracks in walls.

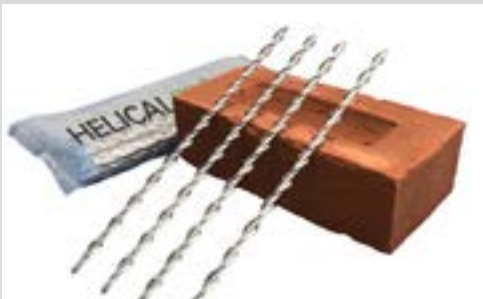
- Repair, stabilise and reinforce cracked brickwork
- Minimal cost and little disruption to install
- Redistributes loads
- Provide resilience against further cracking



## CRACK STITCHING KIT

HelicalFix Crack Stitching Kits contain all the materials needed for reconnecting and repairing cracks in brick, block and stone walls.

- Helical Crack Stitching Bars
- HeliGrout Encapsulation Grout
- Coloured Pointing Mortar



## WALL TIES

High tensile, austenitic stainless steel helical wall ties. For replacing failed or inadequate wall ties. Hammer-driven into small pilot holes, the remedial ties corkscrew into brick, block and concrete to deliver a mechanical fix that grips the wall on each side of the cavity.



## LONG HELICAL BARS

HelicalFix high tensile, austenitic stainless steel, 10m long helical bars used for bed joint reinforcement. Using thixotropic, cementitious grout, the high tensile, stainless steel helical bars are concealed within slots cut into mortar beds at predetermined levels to form deep masonry beams that span areas of poor support.



## ENCAPSULATION GROUT

HelicalFix HeliGrout is a cementitious, thixotropic, non-shrink injection grout for encapsulating and bonding stainless steel helical bar to masonry for structural repair applications. Available in a range of colours and grades.



## EPOXY REPAIR PUTTY/GLUE

An extremely versatile product suitable for filling, repairing, moulding & guing. Hard and impermeable, Water stop. Can be applied underwater.



## BETONFIX MONOLITE - CONCRETE REPAIR

An Excellent all-in-one concrete repair mortar, for structural and non-structural repair of reinforced concrete. Available in Normal and Rapid curing formulations.



## HYDRAULIC LIME RESTORATION MORTARS

A range of hydraulic lime based repair mortars manufactured to meet both the demands of age old traditional and modern methods of restoration and repair.

- Pointing Mortar - Range of 28 Colours
- Stone Repair - Range of 56 Colours
- Helical Bar Encapsulation Grout - The only lime-based helical bar grout on the market. Available in a range of 28 colours.

## Steadfast Specialist Products

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