SURFACE PATCH REPAIR KIT
PRODUCT DATA SHEET

Product Information

Product Name	Surface Patch Repair Kit
Colour	Dark Grey
Unit Size	11.5kg
Approximate Coverage	0.5m² at 10mm deep
Kits Per Pallet	27

Description

Tuff Surface Patch Repair Kit is a complete, cold applied solution containing everything required to carry out fast, durable repairs on private footpaths, driveways, car parks and other trafficked surfaces. For further information, please contact Tuff Technical Services on 01977 680250. More information can also be found at www.tuffstuff.co.uk

The kit is designed for temperatures between 5°C - 30°C. The Surface Patch Repair Kit is suitable for use on existing asphalt and concrete surfaces.

This kit is suitable for repairs up to 100 mm deep in a single application. For larger depths, filling can be achieved using a simple layer-by-layer installation method. Ensure each layer is cured before applying the next layer.

Once activated, the resin forms a tough, flexible matrix that securely binds the aggregate, delivering excellent adhesion, durability and resistance to cracking under and substrate movement.

Each kit contains all the components required to complete a permanent repair, eliminating the need to source additional materials and ensuring consistent, reliable performance.

Kit Components

- 1 x 2.6kg Resin
- 1 x 50g Catalyst Paste
- 1 x 7kg Stone Mix*
- 1 x 1kg Sand Mix
- 1 x Mixing Stick

*The kit is available with either 2-5mm or 1-3mm aggregate. Confirmation of which stone mix is required upon ordering.

Key Features

- Cure time of a minimum 45mins after application.
- Can be applied in cold or hot weather conditions.
- Formulated with MPeC (Modified Polyester Composite) technology for durability.
- Compatible with existing asphalt and concrete surfaces.
- Repairs up to 100mm deep, with deeper fills achievable in layers.
- Easy application with minimal disruption.

Storage Recommendations

Always store closed containers in a cool, ventilated and dry location away from heat. Do not store in direct sunlight or in temperatures at or below 0°C or above 25°C. Shelf life is 12 months when properly stored, sealed, and unmixed.

Safety & Handling

Please ensure that appropriate PPE (e.g. eye protection and gloves) is used when preparing, mixing and applying products.

Use materials in strict accordance with published recommendations. Dispose of waste materials in accordance with local regulations.

Preparation

Substrates must be structurally sound, well adhered and free from excessive movement.

The installer should also ensure that the underlying structure and any built up construction can adequately support the proposed traffic loading (including point loading) without undue deformation during the expected lifespan of the system.

Thoroughly clean down all areas to be treated, removing any dirt and debris, surface lying water, mould growth, moss, etc.

Inspect all surfaces to assess soundness of existing substrates including any existing coatings, repairs and any test areas. This is to verify compatibility for the proposed coating system and to assess the need for priming.

Remove any existing loose or poorly adhering materials and repair where appropriate.

Treat any areas of fungal growth or moss with a fungicidal wash to ensure all spores are destroyed. Power wash to remove any residues.

All surfaces should be clean dry and free from any contaminants.

Any oil visible on the surface shall be removed by washing and scrubbing with a suitable detergent

solution followed by flushing with clean water or by other suitable means

Asphalt Surfaces
Any blow holes in asphalt are to be smoothed out or removed and levelled off using a suitable repair compound.

All large non-structural cracks and voids should be cleaned out and made good using a suitable repair compound. Allow repairs to cure prior to coating (as per manufacturer's guidance).

Concrete Surfaces
Any spalled, loose, unsound concrete or brickwork should be broken out and repaired using a suitable repair mortar.

All smooth concrete surfaces to be treated should be lightly abraded with suitable equipment (e.g. vacu-blast, diamond disc grind etc) where necessary to remove laitance and/or remove other impervious matter, concrete curing membranes etc, until a clean, dry and open surface is attained.

All large non-structural cracks / voids should be cleaned and made good using a repair compound.

Wet or saturated substrates should be allowed to thoroughly dry out before any products are applied.

For newly laid concrete/screed, follow general guidelines allowing a curing time of at least 28 days or one week per 25mm, or preferably follow manufacturer's instructions. In the case of polymer modified material, refer to manufacturer's instructions

Mixing & Application

- Mask off the desired area to allow for a neat, professional finish.
- Thoroughly mix the resin in the 2.6 kg container before adding the catalyst. (Use a Drill and paddle for optimum mixing).
- Add the entire **50 g tube of catalyst paste** to the resin and mix thoroughly for a minimum of **2 minutes**, ensuring the catalyst paste is fully dispersed. (Drill and paddle for optimum mix).
- Pour the catalysed resin into the 7kg stone aggregate and mix until all aggregate is evenly coated.
- Gradually add the **1 kg bag of sand** while continuing to mix until a uniform, workable consistency is achieved.
- Once activated, the material has a limited working time and should be applied without unnecessary delay.
- Place the mixed material directly into the prepared pothole.
- Compact the repair thoroughly before levelling the surface flush with the surrounding substrate.
- For repairs exceeding **100 mm** in depth, apply the material in multiple layers, allowing each layer to cure before applying the next.
- If masking tape has been used, remove it before the material has fully cured to achieve a clean edge.

The repaired area can typically be returned to service after approximately 1 hour. Cure times may be extended when temperatures fall below **10°C**.

Technical Assistance

For further information, please contact Tuff Technical Services on 01977 680250. More information can also be found at www.tuffstuff.co.uk

Quality Assurance

All Tuff products are manufactured under certified **ISO 9001** and **ISO 14001** management systems. Whilst every effort is made to ensure consistent product quality, application conditions are beyond our control.