

# Technical information

## ULTIBED KERB REPAIR



### DESCRIPTION

Ultibed Kerb Repair is a two-component rapid setting repair mortar, perfect for strong long-lasting repairs to concrete kerbstones and steps. The rapid setting, polymer modified repair mortar is a great solution for completing small repairs in heavily utilised areas where quick return to service is a priority. The two component system comprises of 9kg of blended cementitious powder and 1kg of liquid polymer all supplied in 10kg tub.

### USES

Ultibed Kerb Repair is perfect for any application that requires high early strength gain and a quick return to service time.

It's rapid set and high early strength development help reduce closure times during repairs whilst giving a strong, long lasting repair. This makes Ultibed Kerb Repair ideal for both planned and emergency repair jobs.

Typical applications include repairs to steps, kerbstones and other street furniture.

Ultibed Kerb Repair is compatible for use with concrete, brick and stone substrates.

### SPECIAL PROPERTIES

- Ready to receive traffic after just 90 minutes
- High early strength gain
- Pre-blended cementitious component with polymer liquid additive for priming and mixing
- Available in 10kg water resistant tubs
- Excellent bond strength
- Shrinkage compensated
- High final strengths

### PREPARATION

All application substrates must be sound, clean and free from dust, dirt, debris, oil, grease and other contaminants.

Proper surface preparation is vital to ensure the successful application and durable performance of the mortar. Smooth surfaces should be abraded in order to create a key for the product to bond to.

Repair edges should be saw cut to a minimum depth of 10mm to allow enough material to be applied to create a good bond. Feather edge repairs are not recommended.

All substrates should be primed using a small amount of the polymer liquid to ensure a good bond is achieved. Note: the should mortar should be mixed and applied quickly after priming, whilst the substrate is still tacky.

### MIXING INSTRUCTIONS

For best results Ultibed Kerb Repair should be mixed using a mechanical mixer such as a forced-action high shear mixer or a slow-speed drill and paddle mixer. Alternatively, the product can be mixed by hand using a trowel or small shovel.

Mix the 9kg of blended cementitious powder with the remaining polymer liquid for 2-3 minutes until a smooth, homogeneous mortar consistency is achieved. A small additional quantity of water can be added to the mix if required to bring the product to the desired consistency.

Due to the rapid setting nature of Ultibed Kerb Repair, only ever mix a quantity of material that can be used and placed within 5 minutes from the end of mixing.

Never remix or add extra water to extend the working time of the material.

## APPLICATION INSTRUCTIONS

Ultibed Kerb Repair should be applied at a thickness of 10mm - 100mm in a single pass. If thicker sections are required this can be achieved using the layer-on-layer method.

Ultibed Kerb Repair should be applied firmly on the primed application area without delay after mixing. Ensure the product is well compacted onto the repair area to promote a strong bond between the product and the substrate. Take extra care at the edges and in thin sections of the repair. Use a float or trowel to finish, a small amount of water can be used on the trowel if a very smooth surface finish is required.

Recommended ambient application temperature is 5°C to 25°C.

## CLEAN UP

Tools and equipment can easily be cleaned using water. Cleaning of tools and equipment should be carried out as soon as possible after application.

## PERFORMANCE DATA

Liquid Addition (per 9kg)	1kg
Workability	5-10 minutes
Set Time	< 30 minutes
Shrinkage	Less than 0.001%
Density	2250-2300kg/m <sup>3</sup>
Yield	4.5 litres

	Compressive	Flexural
90 minute	15.0 N/mm <sup>2</sup>	4.0 N/mm <sup>2</sup>
4 hour	22.0 N/mm <sup>2</sup>	6.0 N/mm <sup>2</sup>
1 day	30.0 N/mm <sup>2</sup>	8.0 N/mm <sup>2</sup>
7 day	50.0 N/mm <sup>2</sup>	8.0 N/mm <sup>2</sup>
28 day	60.0 N/mm <sup>2</sup>	8.5 N/mm <sup>2</sup>

The above figures are derived from laboratory testing at 20°C and at a WLR of 0.11.

## QUALITY CONTROL

All Tarmac products are factory blended, tested and packaged to quality control procedure in accordance with BS EN ISO 9001.

## PACKAGING & STORAGE

Ultibed Kerb Repair is available in nominal 10kg tubs, palletised and shrink wrapped.

Palletised Ultibed Kerb Repair should be stored in cool dry areas clear of the ground sheeted or under cover and stacked not more than two pallets high. The product should be used on a first in - first out basis. Shelf life is 12 months' subject to temperature and humidity.

Individual tubs of Ultibed Kerb Repair should be stored in sealed original packaging in a dry location at temperatures between 5 °C and 30 °C. Avoid exposure to water, frost or heat - high temperatures and high humidity will lead to a reduced shelf life.

## HEALTH AND SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet.

Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

Contains Portland Cement. Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before reuse. R38 - Irritating to skin. R41 - Risk to serious damage to eyes. S26 - In case of contact with eyes, rinse immediately with water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection. S2 - Keep out of reach of children.

## INFORMATION, PRICES & ORDERING

For technical information, pricing and to place orders please contact our Sales office on the following:

Telephone: 03444 630 046

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Visit our website: [www.tarmac.com](http://www.tarmac.com)

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