

Product Description

Uretech MTC is a four-component, polyurea micro trenching compound designed for small section channel and trench filling, and small scale horizontal repairs to bituminous and concrete surfaces where its slump characteristics allow it to fill deep but narrow voids without mechanical compaction.

- ▶ **Component 'A'**
A blend of tough, sharp aggregates. (14.000kg)
- ▶ **Component 'B'**
A grey/white mixture of pigments and fillers. (3.000kg)
- ▶ **Component 'C'**
A low viscosity modified isocyanate. (1.000kg)
- ▶ **Component 'D'**
A low viscosity polyol dispersion. (2.000kg)

Typical Applications

Uretech MTC is designed to fill and/or repair narrow voids without mechanical compaction. It is pigmented yellow to provide a warning of the presence of underlying electrical installation.

Installation

Uretech MTC should be mixed in a forced action mixer such as a Creteangle or Baron mixer. However, a 30 litre Daines Mixal is ideal for mixing a single kit quickly and efficiently. The aggregate should be tipped into the mixer first which is then started, and then the remaining components should be added in the order B, C & D and mixing continued until a uniform mix is obtained. This should take between 1 and 2 minutes depending on the mixer being used. All mixes should be timed for consistency.

The mixed material can then be poured into the micro-trench/void by mechanical means or manually, with subsequent minor agitation to produce a level surface. The Compound will be fit for traffic after 1-4 hours dependent on ambient temperature.

Packaging

Uretech MTC is available as a 20kg kit of pre-measured components.

Handling & storage

Uretech MTC should always be stored in a dry, covered area and good standards of industrial hygiene should be observed when handling all components. The recommendations made in the Health and Safety data sheets for this product should be observed at all times.

- ▶ **Component 'A'**
Store in a dry, covered area between 5°C and 25°C. Expected shelf life of 12 months.
- ▶ **Component 'B'**
Store in a dry, covered area between 15°C and 25°C. Expected shelf life of 6 months.
- ▶ **Component 'C'**
Store in a dry, covered area between 5°C and 25°C. Expected shelf life of 12 months.
- ▶ **Component 'D'**
Store in a dry, covered area between 5°C and 25°C. Expected shelf life of 12 months.

Part 'C' contains 4,4'-diphenylmethanediisocyanate and the advice contained in the Star Uretech Health and Safety Data Sheet for this component is of particular importance.

Technical information

CURED MATERIAL (without aggregate)		
Hardness	Shore D	75
Compressive strength at first failure	N/mm ²	20
Compressive strength at 40% compression	N/mm ²	45
Deflection at failure	%	10
Compressed cylinder (edge) break	N/mm ²	6
Compressed cylinder (edge) crack propagation	N/mm ²	6
Compressed cylinder (edge) deflection at break	%	10

	Part 'A'	Part 'B'	Part 'C'	Part 'D'
Viscosity @ 25°C (cps)	N/A	Powder	60 max	250 max
Specific Gravity	N/A	1.3	1.21	1.01
Colour	N/A	White	Amber	White

Mixed material has a specific gravity of 1.69

Disposal

The condition of this product will determine the required method of disposal. Used containers with fully cured product remaining around the edges or bottom of the container should have the hazard label removed or obscured before disposal as general building waste. Uncured/Liquid product should be disposed of as hazardous waste.

Coverage

When used correctly a single kit of Uretech MTC is sufficient to fill 0.012m³. (A 1.3m long trench that is 20mm wide and 450mm deep.)

Order detail

The order reference for Uretech MTC is MTC-020-00-5.
A Full pallet consists of 33 x 20kg kits. (0.327m³)

Related documentation

- ▶ Uretech MTC Safety Data Sheets (GHS)
- ▶ Uretech MTC Method Statement

Contact details

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