

Ultra Mender

EASY TO USE

Versatile • Easy to Use • Long Lasting

Form robust and long-lasting patch repairs. Apply at ambient temperature, curing in minutes to form a strong plastic-like material. Ideal as a hard-wearing sealant or mixed with local aggregates.

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Road Science

Step 1

Prepare



> Mark out and measure area to be treated.



> Remove loose material, sweep the surface, ideally surface should be dry.

Use plastic equipment when working with Ultra Mender

Step 2

Preparation of Surface



> Tear foil sachet containing Ultra Mender binder.



> Pour Ultra Mender onto surface.



> Use a hard bristle broom to apply a thin coat of Ultra Mender over the full width of the marked area, make sure cracks are filled to $\frac{3}{4}$ full to allow the Ultra Mender to foam into the remaining space.

> Application rate of Ultra Mender should be around 0.3L/m² (8.3m² per sachet).

Step 3

Mix (optional)

- > If only crack filling go to Step 4.
- > If filling deformations use this step.



- > Mix local aggregate with Ultra Mender as per mixing guide on next page.



- > Mix until the chip is well coated with Ultra Mender.



- > Pour mix into the deepest part of the depression and screed immediately until a level surface is achieved..
- > Lightly compact immediately to achieve the best finish.

Step 4

Blind



- > Spread sand/black sand/pap over the treated area to prevent pick up on tyres.
- > If the road surface AND blinding material is very dry it is recommended that water is lightly misted on top of the treatment to speed up curing process.

Step 5

Cure



- > Ultra Mender takes approx. 10-15mins to cure. During the curing process, foaming and bubbling will be observed. The key things to do to mitigate the problems caused with foaming are:
 - o Use hard bristle broom to apply the thinnest possible application over the areas between cracks to prevent blisters forming
 - o In low traffic volume situations, intermittent rolling.

Step 6

Traffic



- > Treatment is OK to be opened to traffic once blinded with sand or once the treatment is dry to the touch.
- > If treated area is not under traffic, then continually roll with car tyre to pop any bubbles that form. Continue doing this until Ultra Mender is cured. Ultra Mender will form a hard, strong plastic like material once cured.

Mixing Quick Tips

- > If filling in a deformation:
- > Mix ratio is 20 litres of grade 6 aggregate to 2.5 litres (one packet) of Ultra Mender.
- > 1 shovel full of aggregate is approximately 2L.
- > Ultra Mender will not stick to plastic.
- > Make sure you use latex gloves.
- > If Ultra Mender makes contact with your skin it will flake off over time.

Diameter of repair (mm)	Coverage (m²)	Mix Ratio	
		Aggregate (L)	Binder
300	0.1	2	1/10 bag
450	0.2	5	1/4 bag
650	0.3	10	1/2 bag
800	0.5	15	3/4 bag
900	0.7	20	1 bag