



ELASTOMAC

 A Better Way to Fix Roads 

[Brochure and Technical Data](#)

MADE WITH RECYCLED TYRES

ROADMENDER
ELASTOMAC

Rubber-Modified Surface defect repair system*

Technical data

Roadmender Elastomac is a sustainable and highly cost effective, permanent repair system for cracks, joints, alligator cracking, potholes, pre-surface dressing patching, kerb channel repairs and shallow surface defect repairs around manholes and gullies and other areas of rolling traffic.

Elastomac provides a fast non-invasive road repair process where, rather than being excavated, defects are simply filled before being covered with a durable fast setting layer of rubberised Mastic that forms a permanent, textured wearing course over the patch, locking the repair in place while also eliminating any potential for the ingress of water.

** Contains up to 9 end-of-life tyres recycled into every tonne*



Certificate Reference – PA946 0004



FM 610607

Roadmender Elastomac is a patented, hot applied, wet processed, rubber-modified mastic that is specially designed for fast, cost effective, permanent repairs to shallow defects in either asphalt or concrete roads and footways.

The product is supplied in 1-tonne pallets of 20kg bags that are ready to be heated and mixed directly at the job site.

Applications

- Alligator cracking
- Potholes
- Pre-surface dressing patching
- Surface level surrounds to manholes and gullies
- Cracks
- Joints
- Kerb channel repairs
- Speed bump / sleeping policeman

Benefits

- Green product containing up to 9 end-of-life tyres recycled into every tonne
- Durable, flexible, waterproof material
- Adheres to both asphalt and concrete
- Fast to install
- Long service life - 3 to 5 years
- Heated and mixed on site so no wasted time collecting
- Low carbon footprint averaging 3.32kg CO2e per m2 of repairs
- Zero waste Easy to install Fast curing
- Precise, targeted nature of the repair system also delivers significant additional cost savings





Technical Data

- XAIS-PTSPAS Approved for saw-cut or planed inset patch repairs in accordance with MCHW SHW Clause 946.
- Polymer Modified Bitumen manufacturing process and classification to BS EN 14023:2010
- Factory Production Control (FPC) and Quality Management System (QMS) Audits
- Current BSI QMS accreditation to BS EN ISO 9001:2015
- BSI Certificate Number FM 610607 and recent audit
- BSI Certificate of Conformity of the Factory Production Control 2797 CPR 640249 in respect of BS EN 13108-6
- Installation Method Statement (IMS) for manufacture
- and product installation
- Design and Development of Products and Services compliance with BS EN ISO 9001:2015
- BS EN 13108-6 : 6mm Mastic target composition

Aggregates and Skid Resistance

Typical initial Skid Resistance Value (SRV) = >60

Stone Value (PSV) = 62

Aggregate Abrasion Value (AAV) = 5-9

Spread Rate

The spread rate for the material for shallow surface defect repairs is ~ 17 kg per square metre. More for deeper repairs.

Curing time

Approximately one minute per mm installed. Shallow repairs on average take around 5-10 minutes before the road can be reopened to traffic.



Cost Breakdown



Material & Machine Cost Breakdown

Elastomac Mastic	Cost	£ 885.00	per tonne
	Delivery *	£ 30.00	per tonne (variable)
	Total	£ 915.00	per tonne
6mm High PSV Chippings	Cost	£ 650.00	per tonne
	Delivery *	£ 30.00	per tonne (variable)
	Total	£ 680.00	per tonne
	20%	£ 136.00	per tonne of Mastic
Total cost		£1,051.00	per tonne laid
Spread Rate		60	m2/t
Cost rate		£ 17.52	£/m2

Machine hire			
Mastic Mixer	Cost	£ 625.00	per week

** Delivery costs are based on £780 per load divided by 26 pallets. This may vary depending on the distance travelled.*

For a full breakdown of daily costs - see below



Total 3-man team cost breakdown

Square Meters		50
Men x 3	£	600.00
Truck x 1	£	70.00
Mastic Mixer	£	125.00
Fuel	£	70.00
Tools	£	10.00
Gas for heating and drying	£	20.00
Asphalt (1 tonne)	£	114.00
Mastic	£	875.83
Traffic management		
Fixed overheads		
Profit and risk		
Total cost per day	£	1,884.83
Total cost per Square	£	37.70

Total 4-man team cost breakdown

80m2

Square Meters		80
Men x 4	£	800.00
Truck x 2	£	140.00
Mastic Mixer	£	125.00
Fuel	£	100.00
Tools	£	10.00
Gas for heating and drying	£	30.00
Asphalt (1 tonne)	£	114.00
Mastic	£	1,401.33
Traffic management		
Fixed overheads		
Profit and risk		
Total cost per day	£	2,720.33
Total cost per Square	£	34.00

Carbon Footprint



Carbon Footprint

Based on a 3-man reactive team completing 60m2 per day

Section	Amount	Units
Raw material supply (A1), Transportation of raw materials (A2) Manufacturing (A3)	75.65	kgCO2e
Raw material supply (A1), Transportation of raw materials (A2) Manufacturing (A3)	1.26	kgCO2e/m2
Transportation of mixed material/product to site (A4)	45.37	kgCO2e
Transportation of mixed material/product to site (A4)	0.76	kgCO2e/m2
Construction installation Process (A5)	78.04	kgCO2e
Construction installation Process (A5)	1.30	kgCO2e/m2
Total	199.06	kgCO2e
Total	3.32	kgCO2e/m2

Source: RSTA Carbon Emissions for Road Surface and Other Maintenance Treatments for Asset Management Purposes (2nd Edition, 23/04/2025)



Roadmender Somerford 700 Diesel Mastic Mixer - Specification



Trailer-mounted Mastic mixer

Roadmender Somerford 700

Weekly hire: from £625.00





Specification:

Capacity & Performance

- Mixer drum capacity: 700 kg
- Maximum load in mixer drum when travelling: 500 kg
- Maximum static load: 700 kg
- Trailer-mounted unit dry weight: 2,260 kg
- 90 litre diesel fuel tank

Standard Equipment

- 3.2 m × 1.7 m, 3,500 kg twin axle Towmate trailer with extra-strength pivot axle
- Somerford Diesel PVMS45DKL Vertical Preheater with EOGB 12V oil burner
- Single vertical propane tool heater with Auto-Ignition
- Aluminium 19 kg propane gas bottle holder for tool heater fuel supply within custom-built gas cage
- Detachable delivery discharge chute for safe transportation
- Fully handrailed working platform
- Safety access points with chain guard
- Mandatory safety signage
- Green burner ON indication beacon for operators' visual awareness
- Eight orange flashing LED warning lights
- Additional LED working lights
- Powder-coated side panels
- Laser-cut Roadmender branding
- Custom-built drip tray
- Roadmender service and maintenance support

Safety & Compliance

- Additional hydraulic paddle cut-off system for CE compliance
- Can be towed behind a suitable towing vehicle with a 3,500 kg towing capacity (B+E licence requirements apply—refer to current DVLA guidance and vehicle manufacturer specifications).





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