



PERMAFYX™ L273

PERMANENT REINSTATEMENT SYSTEM



PERMANENT ASPHALT REPAIR KIT:

Magma PermaFyx L273 MMA permanent asphalt repair is specifically engineered for the reinstatement of surfaces around ironworks, repairing potholes, and other defected asphalt surfaces. It is particularly effective for repairing asphalt due to its unique formulation. The MMA (methyl methacrylate) composition ensures excellent adhesion to the substrate and allows for flexibility, ensuring long-lasting results. **Magma PermaFyx L273** has exceptional durability, withstanding heavy traffic without rutting, and maintains surface texture, ensuring sustained slip resistance over its lifetime. **Magma PermaFyx L273** is available in **3 grades; 6mm, Mastic and HRA**, catering to various asphalt repair applications.



PERMANENT:

- Outlasts surrounding substrate - no repeat defects
- No compaction required - no risk of disturbing freshly laid mortar around ironworks

PROFESSIONAL:

- PSV, texture depth & slip resistance meet standards for highways
- Finish replicates hot-mix asphalt - repairs blend into surrounding surface

PRACTICAL:

- No hot works required - improved safety & sustainability
- Easy to work - reduced fatigue with no stiff mixes
- No large equipment required - improved efficiencies for small, reactive repairs

RECOMMENDED USE:



Highways



Airports



Warehouse



Car Parks

APPLICATION METHOD:



Trowel

No heavy machines or compaction required

COLOURS AVAILABLE:



Black



Red
(6mm & Mastic)



Green
(6mm & Mastic)



Blue
(6mm & Mastic)

20mm CHIPPING COLOURS AVAILABLE:



BECAUSE ROADS MATTER™

PREPARATION OF SUB-BASE:

The application surface should be sound, dry and clean, free from grease, oil, rust, scale, dirt, or any other soiling that might affect adhesion or performance. **Magma PermaFyx L273** is for use on asphalt surfaces, however it can be used where asphalt surfaces have been overlaid onto concrete. In such applications, prime the concrete base with **Magma UltraNuvo**. Make sure the application surface is prepared before mixing.

MIXING:

Magma PermaFyx L273 should be mixed using a mixing drill with a helical paddle.

6mm – Pour the 100g sachet of catalyst powder into the tin of resin and stir briefly, then pour the activated resin into a clean bucket. If the surface temperature exceeds 25°C, the catalyst quantity may be reduced to 2% of the resin (40g per kit). Add the filler powder to the resin and mix thoroughly for 30 seconds until consistent, then add the aggregate and mix for a further 30 seconds until a uniform consistency is achieved. It is important that the product is mixed thoroughly, as insufficient mixing may impede the chemical reaction and result in reduced performance.

HRA/Mastic – Pour the resin liquid into a clean bucket, add the filler and aggregate bag, and mix thoroughly for 60 seconds until consistent. In colder temperatures (10°C or below), pour the additional 100g sachet of catalyst powder into the resin tin and stir briefly before pouring the resin into the bucket and adding the filler and aggregate as above. It is important that the product is mixed thoroughly, as insufficient mixing may impede the chemical reaction and result in reduced performance.

APPLICATION:

The air temperature must be above 5°C, with relative humidity below 95%. The surface temperature must be at least 3°C above the dew point and not exceed 35°C.

Tools may require occasional cleaning with **Spectrum UltraClean X795** to prevent material from sticking. Tip the mixed **Magma PermaFyx L273** onto the prepared surface and use a steel trowel to spread, compact and smooth the material. Where multiple kits are used, apply with a live edge to avoid visible cold joints and potential weak points.

For the **HRA variation**, scatter PU-coated chippings over the surface and press them in using a wooden trowel. The mastic variation can be applied at depths down to 5mm, making it suitable for applications such as footways.

AFTERCARE AND MAINTENANCE:

Use **Spectrum UltraClean X795** to clean uncured **Magma PermaFyx L273** from tools and equipment immediately.

CURING:

POT LIFE:	TRAFFIC TIME:	FULL CURE:
5 minutes	25-30 minutes	25-30 minutes
Technical data @ 20°C and 65% relative humidity		

TECHNICAL:

THEORETICAL COVERAGE:	Application Depth	m ² per kit
6mm Kit - 32kg	20mm	0.6m ²
	40mm	0.3m ²
	60mm	0.2m ²
Mastic Kit - 26kg	10mm	1m ²
	20mm	0.5m ²
	30mm	0.37m ²
HRA Kit - 28.5kg	40mm	0.27m ²
	50mm	0.22m ²
	60mm	0.18m ²

NOTE: coverage will vary largely depending on substrate condition.

	Density	SRV	PSV
6mm Kit:	3080kg/m ²	>60	85
Mastic Kit:	2618kg/m ²	>60	85
HRA Kit:	2618kg/m ²	>60	85

STORAGE AND PACKAGING:

Storage area should be dry, protected from direct sunlight and extremes of temperature - i.e. between 5°C & 20°C. If product is stored for more than 30 days, full and thorough mechanical mixing will be required before using.

SHELF LIFE:

6 months when stored under cover, in original unopened containers, in accordance with Storage Condition guidelines listed above.

SIZES AVAILABLE:

- 6mm:** 32kg & 16kg Kits
- Mastic:** 26kg kit
- HRA:** 28.5kg Kit

HEALTH AND SAFETY:

Avoid inhalation of vapours and contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Familiarise yourself with the material safety data sheets before using this product. If you need a copy please call our technical team on **023 9220 0606**.

CERTIFICATION:

Magma PermaFyx L273 is **BBA HAPAS Approved** for use in potholes, reinstatements and other similar defects occurring in bituminous surfaces on non-trafficked and trafficked highways for Types 2, 3 and 4 traffic levels.