

PERMAFYX™ L273 PERMANENT ASPHALT REPAIR



PERMANENT ASPHALT REPAIR KIT:

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. PermaFyx L273 has exceptional durability, withstanding heavy traffic without rutting, and maintains surface texture, ensuring sustained slip resistance over its lifetime. PermaFyx L273 is available in 3 grades; 3mm, 6mm, 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

COLOURS AVAILABLE:



Black

RECOMMENDED USE:



Highways



Airports



Warehouse



Car Parks

APPLICATION METHOD:



Trowel



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. Pour the sachet of catalyst powder into the tin of resin and give a quick stir, then pour the resin into the bucket. The catalyst addition should be 4% of the resin by weight (80g per kit). If the surface temperature is over 25°C, the quantity of catalyst added can 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 all of the aggregate to the mix and mix for a further 60 seconds until consistent. If the product is not properly mixed it is likely that the chemical reaction will be impeded and the product may not perform properly. It is very important to make sure the mixture is consistent and there are no lumps of resin at the sides or base of the mix.

APPLICATION:

The air temperature must be above 5°C and air humidity under 75%. The surface temperature must be at least 3°C above dew point and below 35°C.

Tip **Magma PermaFyx L273** onto the surface. Use an **OX Steel Trowel** to spread, compact and smooth over. If applying a larger area or very warm weather, tools may need to be cleaned occasionally to prevent material sticking to them. For HRA repairs, scatter **Magma MMA Chippings** over surface and press into the surface using a trowel or weighted roller.

The 3mm grade will give a closer finish for applications such as footways and can be applied down to 5mm. The 6mm grade is designed for road & highway repairs and can be applied down to 20mm. The HRA grade is designed for use in roads or footways to match surrounding HRA or mastic surfaces, and can be used down to 10mm, or a minimum of 30mm if using chippings.

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
3mm Kit	5mm	1.7m ²
	10mm	0.86m ²
	15mm	0.58m ²
6mm Kit	20mm	0.52m ²
	30mm	0.35m ²
	40mm	0.26m ²
	50mm	0.20m ²
HRA Kit	10mm	1m ²
	20mm	0.5m ²
	30mm	0.37m ²
	40mm	0.25m ²

NOTE: coverage will vary largely depending on substrate condition.

DENSITY:

3mm Kit: 3113kg/m³
 6mm Kit: 3080kg/m³
 HRA Kit: 2618kg/m³

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:

3mm: 27kg Kit
 6mm: 32kg Kit
 HRA: 26kg 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.