



PERMAFYX™ L274

PERMANENT CONCRETE PATCH REPAIR



PERMANENT CONCRETE REPAIR:

Magma PermaFyx L274 permanent concrete repair is an MMA-based product designed for reinstatements around ironworks, failing utility reinstatements, and other defected concrete surfaces, serving as an effective concrete patch repair solution. The MMA (Methyl Methacrylate) formulation of the product enables fast curing even at low temperatures, allowing for a quick return to service in just 30 minutes. PermaFyx L274 provides a permanent concrete repair with exceptional durability, capable of withstanding heavy traffic without losing surface texture and maintaining slip resistance over its lifetime.

PRODUCT FEATURES:

- Fast return to service
- Exceptional durability
- Simple application

CUSTOMER BENEFITS:

- Minimum downtime
- Provides permanent repair
- Little equipment required

COLOURS AVAILABLE:



Grey



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 L274** is for use on concrete surfaces. Prime the area with **Magma UniPrime L251**. Make sure the application surface is prepared and primed before mixing.

MIXING INSTRUCTIONS:

Magma PermaFyx L274 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 unmixed material 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 L274** onto the surface. Use an **MEON OX Steel Trowel** to spread, compact and smooth over. If applying a larger area or in very warm weather, tools may need to be cleaned occasionally to prevent material sticking to them. Recommended application depth is 10 - 100mm. For depths greater than 100mm, apply in layers allowing the previous layer to cure.

AFTERCARE AND MAINTENANCE:

Use **Spectrum UltraClean X795** to clean uncured **Magma PermaFyx L274** from tools and equipment immediately.

TECHNICAL:

THEORETICAL COVERAGE: Application Depth 26kg Kit	
10mm	1m ²
20mm	0.5m ²
30mm	0.37m ²
40mm	0.25m ²
CURING TIMES	
Pot Life	5 minutes
Traffic Time	25 - 30 minutes
Full Cure	25 - 30 minutes
Density	2618kg/m ³
The above figures are derived from laboratory testing at 20°C and 65% relative humidity	

NOTE: coverage will vary largely depending on substrate condition

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:

Supplied in 26kg buckets.

HEALTH AND SAFETY:

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

These products contain cement and have an alkaline reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes consult a doctor. 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**.