



**MILEPAVE
ULTRA™**

Milepave Ultra™ PMB is a BBA/HAPAS certified (Certificate No. 06/H120) polymer-modified asphalt grouted macadam surface course designed for the resurfacing of flexible and concrete highways. Miles Macadam is certified to National Highways Sector Scheme 16 for Quality Management in Highways Works.

This high performance grouted macadam consists of a paver-laid, polymer-modified open graded asphalt surface course, typically laid between 40mm and 50mm, which is sealed with an asphaltic grout manufactured by Miles Macadam. This secondary sealing process reinforces the surface, seals joints, reduces aggregate loss, enhances flexibility and slows oxidation to improve long-term durability. Aggregate PSV can be specified to suit client requirements.

Suitable for applications ranging from tree-lined rural roads to high stress junctions and roundabouts, Milepave Ultra™ provides a resilient, durable surface designed to reduce future maintenance intervention and improve whole-life cost efficiency. The material can be trafficked once cooled to ambient temperature and delivers lower whole-life carbon emissions through reduced material usage, lower mixing temperatures and extended service life compared with traditional asphalt materials.

MILEPAVE ULTRA™ benefits

- ① High performing polymer-modified bitumen
- ① Reinforced surface strength
- ① Proven performance on high stress sites
- ① Sealed to prevent water ingress
- ① Reduced carbon surfacing process

Suitable for:



High Stress Junctions



Roundabouts



Rural and Urban Roads



Concrete Overlays



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Installation

The design mix open graded asphalt surface course is machine-laid using a traditional asphalt paver and gang. Once the asphalt has been compacted, it is sealed with a liquid asphaltic grout.

The pre-mixed liquid grout is delivered to site by tanker and applied directly to the receiving course. The surface is then mechanically brushed to remove excess grout and ensure the required surface texture is achieved. The carriageway can be reopened once the material has cooled to ambient temperature, in the same way as traditional asphalt materials.

High Stress Highways

Miles Macadam offers Milepave Ultra™ as both an inlay and overlay system for high stress highway applications, including junctions, roundabouts, high traffic carriageways and rural roads. The system combines 14mm aggregate for improved aggregate interlock with high tensile strength polymer-modified bitumen and a secondary asphaltic grout seal. The grout seals the surface and joints, helping to reduce water ingress, aggregate loss and oxidisation, while preventing the material from becoming brittle over time. Secondary sealing also reduces the vulnerability of phase joints compared with traditional asphalt materials, improving long-term durability and whole-life performance.

MILEPAVE™ technical data

Nominal Size	14mm
Layer Thickness	40 - 50mm
Minimum Curing Time	1 hr
Texture Depth	1.1 - 1.8mm
Skid Resistance Value (SRV)	
Initial -	49 - 56
Retained -	56 - 89

