Hardipave™ is a BBA/HAPAS certified (HAPAS Certificate Number 06/H120) Grouted Macadam surface course designed to withstand intense traffic loadings and fuel / leachate contamination. The company is certified to National Highways Sector Scheme 16 for Quality Management in Highways Works.

Hardipave™ consists of an open graded receiving course with a controlled void content, filled with a resin cementitious grout manufactured by Miles Macadam. It is a flexible, jointless, heavy duty surface course with fuel resistant properties and high load capabilities to minimise rutting or deformation.

HARDIPAVE™ benefits

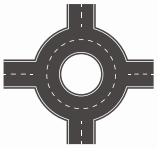
- Hybrid between asphalt and concrete
- High compressive strength
- Superior resistance to deformation and rutting
- High resistance to fuel/leachate contamination
- High resistance to temperature extremes
- Rapid installation

Suitable for:

Ports

Industrial Facilities

Highways



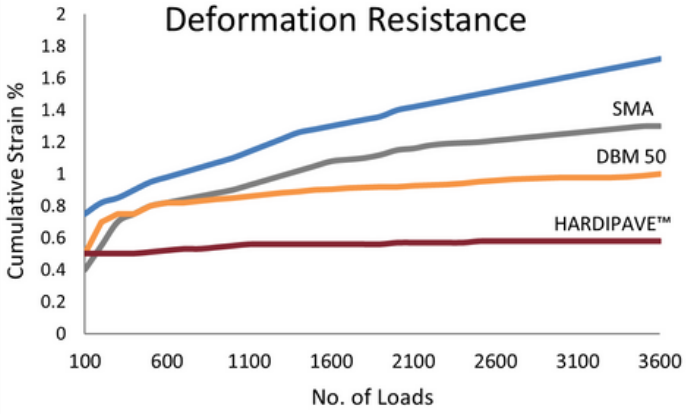
Roundabouts/Junctions

Bus Infrastructure

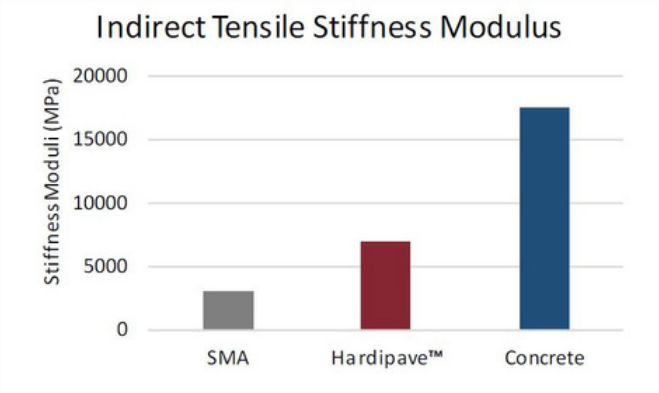
MILES MACADAM
CONSTRUCTION & SURFACING

HARDIPAVE™

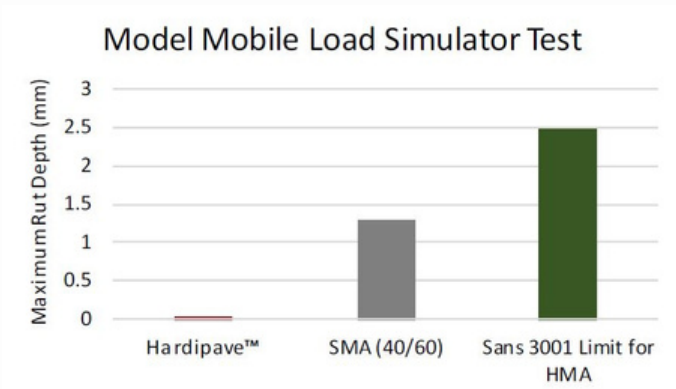
DATASHEET



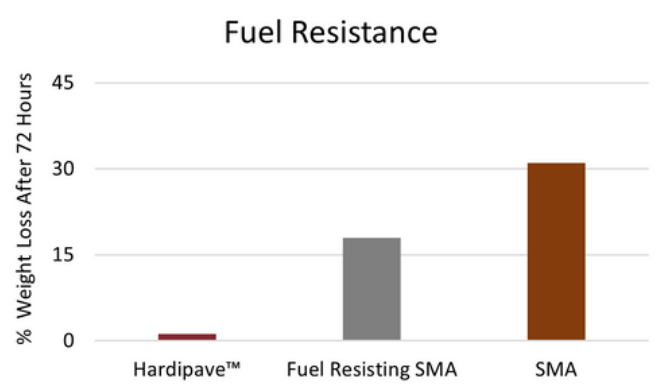
Cyclic Compression Test under dynamic loading shows Hardipave™ to have a far superior resistance to permanent deformation than conventional materials.



An Indirect Tensile Stiffness test shows deformation and temperature susceptibility. These results were recorded at 20° and show Hardipave™ as a hybrid between asphalt and concrete.



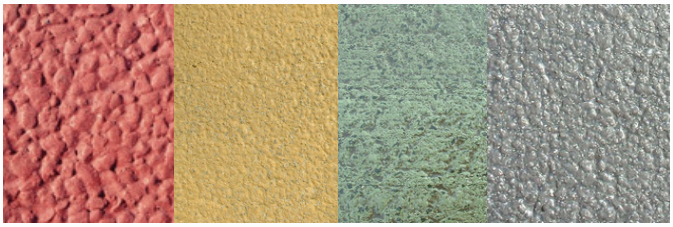
An MMLS Test is designed to imitate real world conditions of accelerated loadings. It measures the impact of moisture, resistance to deformation, longitudinal profile and visual surface condition.



The Hardipave™ system shows no degradation when subjected to a chemical attack from diesel or aviation fuel. It has a significantly higher tolerance to fuel than conventional SMA materials.

HARDIPAVE™ technical data

Nominal Size	14mm
Layer Thickness	35 - 50mm
Stiffness (20°)	6990 MPa
Water Sensitivity (retained stiffness)	Min. 96.6%
Curing Time	12-24 hrs
Wheel Tracking (BS EN 12697-22 – Procedure B in Air)	Exceeds requirements for surface course materials (PD 6691:2022)



Coloured aggregates can be supplied