



## Datasheet: Hardicrete™

**Miles Macadam** manufacture and install BBA/HAPAS certificated Grouted Macadam surfacing materials, which provide a superior treatment to problem sites.

**HARDICRETE™** is a BBA certified (Agrément Certificate Number 88/1969) Grouted Macadam surface course designed to withstand intense traffic loadings and fuel / leachate contamination. Hardicrete™ has been supplied and installed by its manufacturer, Miles Macadam, since 1975. The process has held an Agrément certificate since 1986 and remains a market leader and benchmark of quality and performance.



### Product Description

Hardicrete™ was developed to provide our clients with a more comprehensive range of Grouted Macadam options and design alternatives. Hardicrete™ consists of an open graded receiving course with a controlled void content, laid between 35-50mm, and 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.

In comparison to Miles Macadam's Hardipave, the receiving course for Hardicrete is specifically designed to allow a higher quantity of cementitious grout to penetrate the design, enhancing the overall durability of the material.

Ideally suited on high stress sites, for example:

- Bus lane and laybys
- Roundabouts and junctions
- Industrial and distribution facilities
- Ports

For further information, please contact:

MILES MACADAM LTD. Malpas Station, Hampton, Cheshire SY14 8LU

+44 (0)1948 820489 [info@milesmacadam.co.uk](mailto:info@milesmacadam.co.uk) [www.milesmacadam.co.uk](http://www.milesmacadam.co.uk)



**Quality**

Miles Macadam’s manufacturing and installation are ISO 9001: 2015 accredited and the processes are certificated by the BBA. The company is also certified to National Highways Sector Scheme 16 for Quality Management in Highways Works and is a member of the Road Surface Treatments Association (RSTA).

**Technical**

Hardicrete™ is a hybrid between asphalt and concrete with fast installation and minimal downtime. High compressive strength means Hardicrete™ will help resist impact and point load damage. It has a coefficient of permeability  $1.1 \times 10^{-11}$  m/s in line with concrete.

Hardicrete™ has a high heat resistance and is therefore less temperature susceptible than traditional bituminous materials.

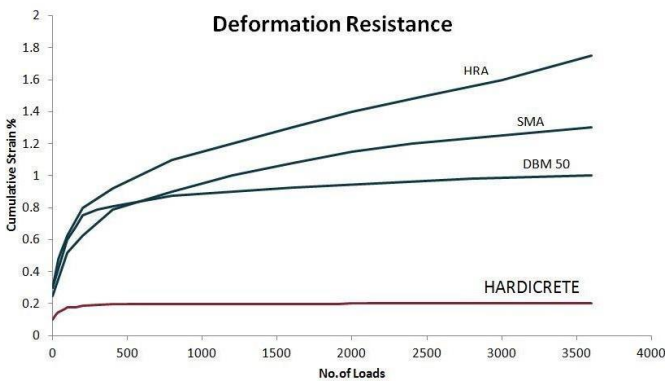


**Deformation Resistance**

Independent laboratory testing has shown Hardicrete™ to have a more superior resistance to deformation than standard flexible surfacing materials.

**Stiffness**

Hardicrete™’s unique stiffness places it between concrete and conventional surface course materials.



**Fuel Resistance**

The Hardicrete™ system shows no degradation when subjected to chemical attack from diesel or aviation fuel.

**Colours**

Hardicrete™ can be supplied in the following colours:

- Black
- Red
- Buff
- Green

Coloured aggregate can be supplied subject to availability.

