Product Overview

Hardicrete is a BBA certificated 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 a BBA certificate since 1986 and remains a market leader and benchmark of quality and performance.

Product Description

Hardicrete consists of a 40mm depth of open graded receiving course with a controlled void content, which is subsequently filled with a high strength resin cementitious grout manufactured by Miles Macadam in the UK.

Hardicrete combines high strength and flexibility and offers excellent resistance to rutting and deformation. The installed product is fully sealed and jointless creating a fuel resistant heavy duty surface course with a high tolerance to heat and abrasion.

Ideally suited on high stress sites, for example:-

- Airports
- Bus Infrastructure
- Industrial Facilities
- Waste Sites
- Ports
Quality

Miles Macadam’s manufacture and installation are ISO 9001:2008 accredited and the processes are certificated by the BBA. Miles Macadam also hold Sector 14 and 16 certification for Quality Management in Highway Works.

Deformation Resistance

Independent laboratory testing has shown Hardicrete to have superior resistance to deformation than standard flexible surfacing materials. (SWK)

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, and 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.

Fuel Resistance

The Hardicrete system showed no degradation when subjected to chemical attack from diesel or aviation fuel. (SWK)

Stiffness

Hardicrete’s unique stiffness places it between concrete and conventional surface course materials. (SWK)

Colours

Hardicrete can be supplied in the following colours:
- Black
- Red
- Buff
- Green

Coloured aggregates can also be supplied subject to availability. Please contact us to discuss your specific requirements.