

**“For New Build Projects - where Speed of Installation, Joint Free and Robustness are your drivers”**

### Product Description

Privica Pavements B combines the high strength of cementitious materials together with the flexibility of asphalt to deliver maintenance free structural surfacing that is tough, durable and joint free.

- **Surface Course** 40mm thick layer of open graded asphalt (22 - 28% voids), in which the voids are penetrated and automatically filled with high strength thin flowing mortar.
- **Base Course** 100mm (typical) thick layer of Heavy Duty Macadam

The base course can be used as a temporary running surface / storage area during main works - Clean site and reliable haul roads for your project team.

Privica Pavements mortar's fast strength development (25N/mm<sup>2</sup> at 24 hours) enables areas to be brought into service 24 hours after application under the appropriate curing conditions.

The high strength and extremely dense microstructure of the Privica Pavements B mortar ensures low permeability, good chemical resistance and very high wear resistance and durability.

Privica Pavements B is resistant to de-icing chemicals and repeated freeze-thaw cycles.



### Specifying Privica Pavements B

Privica Pavements B is ideal for both internal and external applications and is particularly well suited on schemes which require a jointless slab that can accommodate large temperature fluctuations.

**Typically an area of 1,500m<sup>2</sup> of Privica Pavements Mortar can be installed in a normal working day**

<b>Performance (Max) :</b>  <b>(subject to wearing course thickness)</b>	UDL (KN/m <sup>2</sup> )	10,000
	Point Load (KN) - 100mm x 100mm plate	100
	Point Load (KN) - 200mm x 200mm plate	400
	Surface Regularity (TR34 3 <sup>rd</sup> Ed.)	FM2 & Category 2 (some possible local grinding)
	Abrasion Resistance (DIN 52108)	“Dust Free” (5 - 7 cm <sup>3</sup> / 50cm <sup>2</sup> Bohme value)
	Slip Resistance (SRT)	50-60 (Standard) / 95 (Bauxite)
	Freeze - Thaw resistance (SS137244)	“Very Good”
<b>First Use :</b>	Light Traffic (at 20°C curing)	12 Hours
	Full Load (at 20°C curing)	24 Hours
<b>Substrate Bonding :</b>	Bitumen Emulsion (g/m <sup>2</sup> ) Cl.920 MCHW1	300

#### Expanded Ltd

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### Other Construction Benefits are:

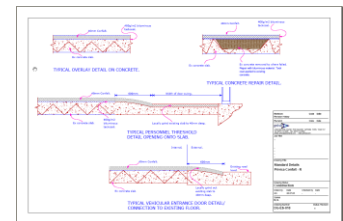
Drastically reduced installation period in comparison with concrete hardstandings.

The building floor plate and hardstanding areas could be laid on day 1, used as a construction platform and then ground, polished or surface treated to meet your finished requirements thus: your site surface could be sealed from the effects of weather on "day 1". Materials could be stored without the risk of ground contamination and the risk of trips, slips and falls during the construction period can be dramatically reduced.



### Design and Detail

Design work is undertaken 'in house' using both an analytical and empirical approach. Privica Engineers utilise the BISAR3 programme for multi layer linear elastic analysis. Standard details are produced by our in house Architect and Engineers using Graphisoft ArchiCAD.



### Installation

Minimal Preparation –The granular sub-base should be laid to MCHW standards. If required we can laser lay and compact the final 50mm of granular sub-base. The substrate must be clean of all foreign material and simply swept free of dust prior to application of a bitumen emulsion tack coat.

Privica Pavements B is normally applied with an overall thickness of 130 - 200mm. The Grouted Macadam layer generally makes up 40mm of this depth. The open graded asphalt part of the Grouted Macadam is laid using traditional paving techniques. The Privica Pavements mortar is mixed using our turbo mixing pumps and flooded over the open graded asphalt using rubber squeegees. Mortar penetrates the voids of the open graded asphalt without requiring any kind of vibration. The surface is then scraped with a rubber squeegee to remove excess mortar.



### Appearance

The natural colour of Privica Pavements mortar is cement grey. It can be pigmented to deliver colour in a variety of shades, and can be finished using different techniques to accommodate both external and internal uses and decorative requirements. As with cementitious based materials



Please refer to 'Surface Finish Options' Data Sheet for more information.

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