

“For New Build Projects - where Speed, Joint Free, Sustainability and Price are your drivers”

Product Description

Privica Pavements F (PPF) combines the high strength of cementitious materials together with the flexibility of asphalt to deliver a cost effective, maintenance free, structural surfacing that is tough, durable and joint free.

- **Surface Course** 35mm thick (minimum) layer of open graded asphalt (22 - 28% voids), in which the voids are penetrated and automatically filled with high strength thin flowing Confalt mortar.
- **Base Course** 100mm thick (minimum) layer of Recycled Bitumen Bound Material (Foamix, Foambase)

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.

Confalt mortar’s fast strength development (25N/mm² at 24 hours) enables areas to be brought into service 12 to 18 hours after application. Privica Confalt F can be safely overlaid with Vinyl or epoxy finishes at 3 days age subject to curing conditions.

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

PPF is resistant to de-icing chemicals and repeated freeze-thaw cycles.



Specifying Privica Pavements F

Privica Pavements F is ideal for both internal and external applications and is particularly well suited on schemes which require a new cost effective joint free slab that can accommodate large temperature fluctuations and exceed your “green” procurement ambitions.

Performance (Max) : (subject to wearing course thickness)	UDL (KN/m ²)	10,000
	Point Load (KN) - 100mm x 100mm plate	100
	Point Load (KN) - 200mm x 200mm plate	400
	Surface Regularity (TR34 3 rd Ed.)	FM2 & Category 2 (Higher spec. by local grinding)
	Abrasion Resistance (DIN 52108)	“Dust Free” (5 - 7 cm ³ / 50cm ² Bohme value)
	Slip Resistance (SRT)	50-60 (Standard) / 80 (Shot blasted)
	Freeze - Thaw resistance (SS137244)	“Very Good”
First Use :	Light Traffic (at 20°C curing)	12 Hours
	Full Load (at 20°C curing)	36 Hours
Typical Outputs :	m ² /day	1,250 (SC) / 2,000 (BC)
Substrate Bonding :	Bitumen Emulsion (g/m ²) Cl.920 MCHW1	300

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Other Construction Benefits are:

Reduced installation period compared with concrete pavements.

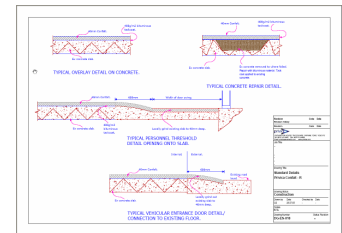
The building floor plate and hardstanding areas could be laid on day 1, used as a construction platform and then ground, polished or surface treated to meet your finished requirements thus: your site surface could be sealed from the effects of weather on “day 1” and the risk of trips, slips and falls during the construction period can be dramatically reduced.

PPB Mortar is a uniquely highly engineered surfacing where Anti dusting / Curing compounds are not required.



Design and Detail

Design work is undertaken ‘in house’ using both an analytical and empirical approach however can be verified externally upon request. 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. We insist on verification of foundation layer conformity upon handover by means of Falling Weight Deflectometer tests on the formation.



Installation

All materials are laid using tracked laser levelled paving machines, thus FM2 surface regularity can be achieved with minimal requirement for grinding. If required we can laser lay and compact the final 50mm of granular sub-base.

The Foamix base is batched at site using recycled aggregates, foamed bitumen and a cement adhesion agent and laid through a standard asphalt paving machine.

PPF is normally applied with an overall thickness of 135 - 290mm. The open graded asphalt generally makes up 35 to 80mm of this depth. The open graded asphalt is laid using tracked laser levelled paving machines making FM2 surface regularity a realistic achievement. The PPC 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 PPF mortar.



Appearance

The natural colour of Confalt mortar is cement grey. Confalt 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 all cementitious materials the final colour is affected by weather and drying conditions. The fine pattern of micro-cracks (crazing) in the surface is a natural part of the system and does not influence performance.



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