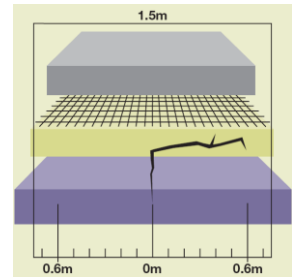


“For Refurbishment and Repair projects - Maximum Resistance to Reflective Cracking”

Product Description

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

- **Surface Course** 40mm layer of open graded asphalt (22 - 28% voids), in which the voids are penetrated and filled with high strength thin flowing Privica Pavements mortar.
- **Reinforcement** Saint-Gobain GlasGrid 8501 (complete repair) or 8502 (detailed repair) high modulus fibreglass provides the stiffness required to redirect crack energy horizontally, minimizing the risk of reflective cracking. www.glasgrid.com
- **Levelling Course** 20mm minimum layer of rolled asphalt (Cl.909 MCHW1).



Specifying Privica Pavements RX

Privica Pavements RX system can be applied to almost any type of existing base, from asphalt to block paving, concrete and steel.

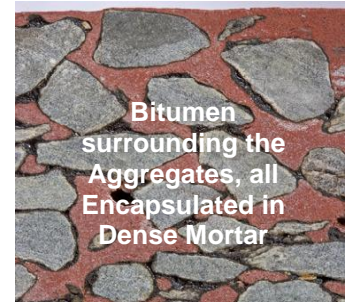
Substrates :	Type	Asphalt	Block	Concrete	Steel	
Performance (Max) : (subject to wearing course thickness)	UDL (KN/m ²)	10,000	10,000	10,000	3,000	
	Point Load (KN) - 100mm x 100mm plate	100	100	100	100	
	Point Load (KN) - 200mm x 200mm plate	400	400	400	400	
	Surface Regularity (TR34 3 rd Ed.)	FM2 & 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)	24 Hours				
Substrate Bonding :	Bitumen Emulsion (g/m ²) Cl.920 MCHW1	300	400	400	300	
Dynamic Loading :		Foot / Wheeled		Abrasive / Tracked		
	Typical Thickness (mm)	40		50		
	Typical Outputs (m ² /day)	1,500		1000		

Privica Pavements RX mortar's fast strength development (25N/mm² at 24 hours) enables areas to be restored into service 24 hours after application at ambient temperatures. The high strength and extremely dense microstructure of the Confalt mortar ensures low permeability, good chemical resistance and very high wear resistance and durability. It is resistant to de-icing chemicals and repeated freeze-thaw cycles.

Crack Resistance

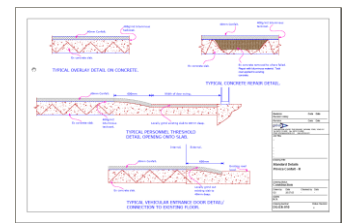
The propagation of an existing crack pattern, from discontinuities in the old floor, into and through a new overlay is known as reflective cracking. The bitumen surrounding the aggregates in Privica Pavements RX provides flexibility unachievable in traditional overlays.

The inclusion of Saint Gobain's GlasGrid in Privica Pavements RX provides sufficient reinforcement to the surface course above and strain-relief beneath the grid to actually turn the crack horizontally providing ultimate resistance to reflective cracking.



Design and Detail

Design work is undertaken 'in house' using an analytical approach (E modulus) 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 - Any reduction of existing levels across the surface (to maintain original head height/form tie-in's) and any bituminous patch / crack repairs are rapidly implemented. 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 RX is normally applied with a total thickness of 60mm. The 20mm regulating layer is installed through an asphalt paver before the Glasgrid reinforcement is laid. The open graded asphalt is laid using an asphalt paver. The Privica Pavements RX mortar is mixed using our turbo mixing pumps and flooded into the open graded asphalt. The mortar penetrates the voids of the open graded asphalt automatically without requiring any kind of mechanical assistance. The surface is then scraped with a rubber squeegee to remove excess mortar.



Appearance

The natural colour of the mortar is cement grey. The mortar 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 based materials the final colour can be affected by weather and drying conditions.

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



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