

PortPhalt®

A highly modified asphalt designed for use at ports and intermodal terminals

PortPhalt® is a specialty asphalt developed to perform under the unique conditions experienced at ports and intermodal terminals.

Terminal operations inflict exceptionally high stresses on pavements, due to the extreme and slow-moving wheel loads, as well as the high point loading of container corner castings.

What is PortPhalt®?

PortPhalt® is the market leading proprietary dense-grade asphalt, specifically developed to resist the surface failures suffered by conventional asphalts in port environments; including environmental and reflective cracking, rutting, ravelling and corner casting indentation.

Elimination of these failures ensures that areas remain in operation for cargo storage or transfer. It also reduces the costs and downtime associated with the maintenance of pavements and equipment.

PortPhalt® has been developed by the Fulton Hogan research and development team, benchmarking against a range of leading alternatives and evaluated in line with the National Association of Testing Authorities (NATA) regime.



PortPhalt® is a registered trademark product of Fulton Hogan

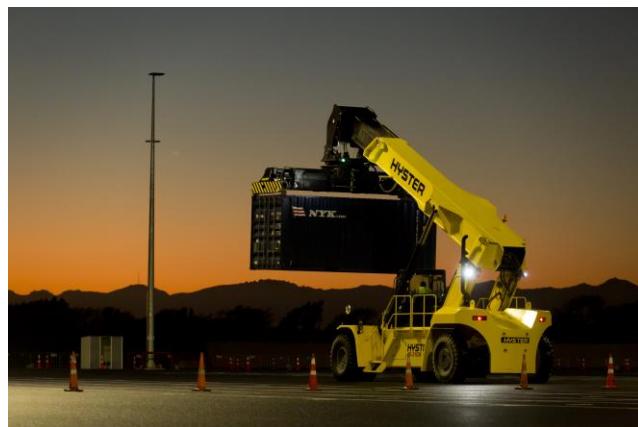
PortPhalt®

What sets PortPhalt® apart?

- Bespoke Design
- Exceptional deformation resistance
- Excellent load spreading performance
- Superior resistance to fuel damage
- Leading fatigue performance
- Effective at high temperatures

In addition to resisting surface failures, the performance characteristics of PortPhalt® allows for thinner pavement construction. This means a more cost effective, rapidly constructed pavement system.

There are two variants of PortPhalt®, often applied within a composite construction solution to get maximum benefit dependent on your pavement needs and site conditions; PortPhalt® ST (Structural) and PortPhalt® DR (Deformation).



Specifying PortPhalt®?

Each Australian state road authority asphalt specification provides a suitable contractual instrument to control the production and installation of PortPhalt®.

Six of the major Port and Intermodal Terminal operators in Australia specify and continue to opt for PortPhalt® as a proven value for money solution.

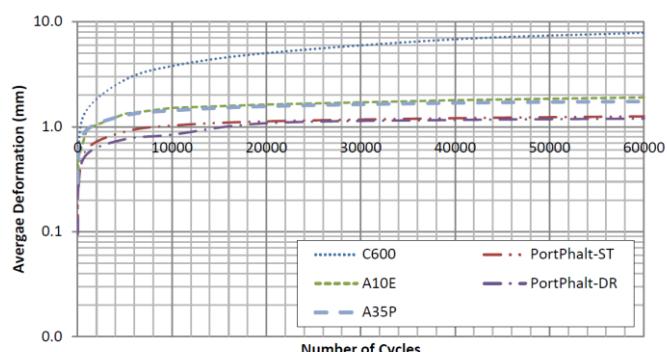
Fulton Hogan designers will work with you to develop the optimum hardstand pavement solution.

How PortPhalt® works?

PortPhalt® is a highly modified asphalt, utilising the proprietary polymer modified binder PortBind®. This, in combination with a large interlocking aggregate structure, offers remarkable structural strength.

PortPhalt® outperforms other premium hardstand asphalts, including those utilising alternative binders; A10, A35P and C600.

Resistance to Deformation



Deformation resistance testing has shown PortPhalt® experiences less than half the deformation suffered by other premium asphalts.

How to apply PortPhalt®?

PortPhalt® is customised to meet project specifications and requirements. This process includes:

- Project specific pavement design
- Modified asphalt mix design for local materials
- Performance testing at Fulton Hogan laboratories
- Strict standards in laying and compaction by Fulton Hogan's experienced crews

PortPhalt® is installed using conventional paving equipment, however it is completed to prescriptive processes and tight standards to ensure the product performs. The Fulton Hogan team leverages a wealth of experience in port and intermodal environments to deliver on quality and on time, without compromise to the safety of personnel or the environment.

For further information or you can visit www.fultonhogan.com or contact your nearest Fulton Hogan office:

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