

PORTPHALT®

Product Information Sheet

What is PortPhalt?

A market leading dense grade asphalt designed for use on ports and intermodal terminals.

Applications

Specifically designed for use where operations inflict exceptionally stresses on pavements.

Construction Method

PortPhalt is placed by our heavy highway paving equipment, and can be reopened to traffic within 24-48hrs.

WHAT IS PORTPHALT?

PortPhalt® is a 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.

Addressing these failures ensures that areas remain in operation for longer, therefore operators incur less down-time and cost through maintaining their pavements and equipment.

PortPhalt® was developed by Fulton Hogan in the late 2000s in response to feedback and demand from industry operators. Our Research and Development teams benchmarked against international materials practices, resulting in manufacturing and performance specifications that have proven durable and effective over time.

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® allow for comparatively thinner pavement construction. This means a more cost effective, rapidly constructed pavement system.

Within the PortPhalt® product line we provide ST (structural) and DR (Deformation Resistance) optimised products, our engineer can advise whether either, or both, are suited to your needs.

**EXCEPTIONAL
PERFORMANCE**

**EFFICIENT AND COST
EFFECTIVE
PAVEMENT
SOLUTION**

**CUSTOMISED
FOR PORT OR
TERMINAL
APPLICATIONS**

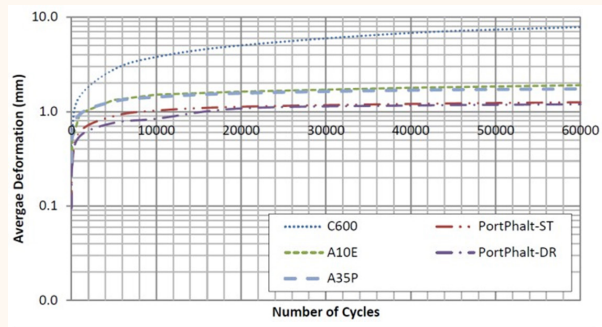
**SUITABLE FOR BOTH
NEW AND EXISTING
PAVEMENTS**

MATERIALS SCIENCE

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.

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.

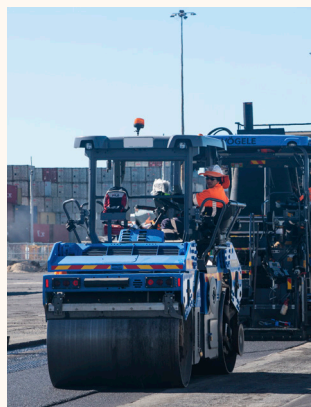
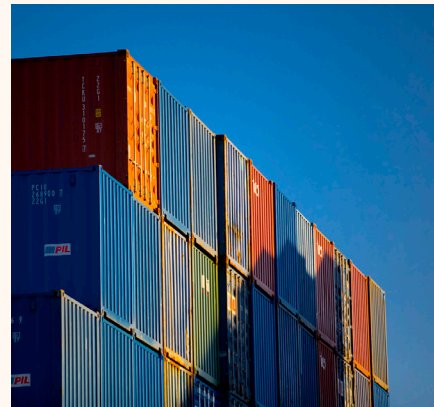
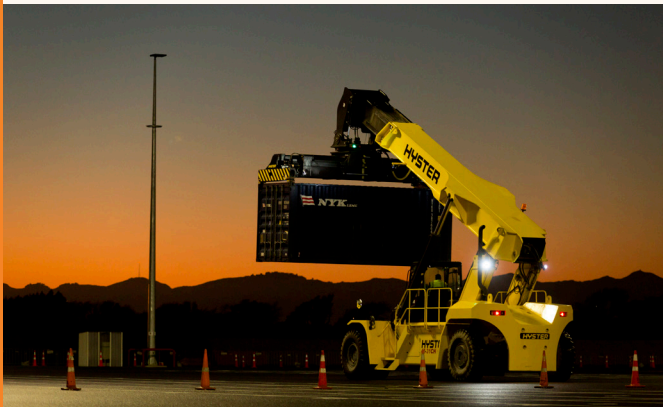
APPLICATION

PortPhalt® is installed using conventional paving equipment, but to prescriptive processes and strict standards to guarantee optimal performance.. The Fulton Hogan team leverages a wealth of experience in port and intermodal environments to deliver quality outcomes on time, without compromising safety or the environment.

READINESS AND CUSTOMISATION

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

- Project specific pavement design
- Modified asphalt mix design for local materials
- Performance testing at Fulton Hogan laboratories.



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