



RIGIPHALT®

Product Information Sheet

What is Rigidhalt?

Rigid & tough composite paving material, alternative to concrete surfacing

Applications

Effective and practical for use on industrial and heavy-duty pavements.

Construction Method

Composite paving material, comprising a support layer of specially graded asphalt containing heavily modified cement grout.

WHAT IS RIGIPHALT?

RIGIPHALT® is a composite asphalt paving material, which has enhanced rigidity and toughness, making it suitable for applications where cementitious concrete was thought to be the only solution.

BENEFITS

RIGIPHALT® is asphalt based. It retains much of the flexibility offered by asphalt, while providing reduced deformation and better resistance to fuel and chemical spillages. Some of the benefits include:

- Easy application, low maintenance, and straightforward rehabilitation
- High resistance to indentation and rutting

- No performance drop off in very high temperatures
- Improved surface friction, reduced permeability

SUITABILITY

RIGIPHALT® excels in industrial and heavy-duty pavements and is suitable for areas exposed to high stress and static loads. Ideal for:

- Warehouses
- Container terminals and docksides
- Transport and bus depots, airports
- Defence facilities, car parks, loading docks
- Factories and workshops

Suitable for use by solid tyre or tracked vehicles.

PRACTICAL
EFFECTIVE
SOLUTION

50mm -
150mm+
THICKNESS

SUPPORTS STACKED
CARGO CONTAINERS
EACH WEIGHING OVER
20
TONNES

SUITABLE FOR BOTH
NEW AND EXISTING
SURFACES

THE CONSTRUCTION METHOD

RIGIPHALT® is a composite paving material. It is comprised of a support layer of specially graded asphalt to produce air voids that are completely filled with a heavily modified cement grout.

The asphalt base is placed using conventional paving equipment and techniques. The RIGIPHALT® grout is blended and applied to the surface using proprietary techniques to ensure complete penetration of the voids in the support layer.

The final texture and appearance of the surface can be modified to suit the intended service. If a smoother surface finish is required further treatments can be carried out after the material has hardened.

Curing time is dependant on weather and environmental conditions however generally you can expect;

- Pedestrian traffic: 6–8 hours after installation
- Light vehicular traffic: after 24 hours
- Gradual heavier traffic: ~ 7-days is recommended

Longer curing periods where possible may be recommended to ensure the durability of the product.

APPLICATIONS

NEW PAVEMENTS:

Used as the upper layer of the new pavement. Minimum recommended thickness is 50mm, up to 150mm or more as required. Thickness should be determined through pavement analysis.

EXISTING PAVEMENTS:

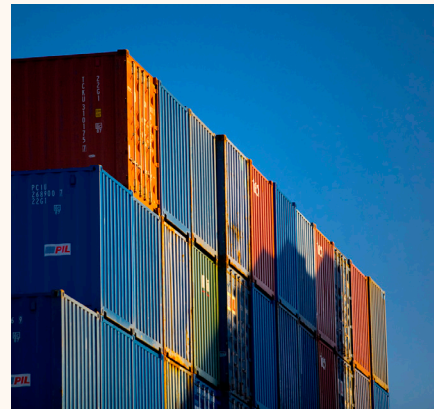
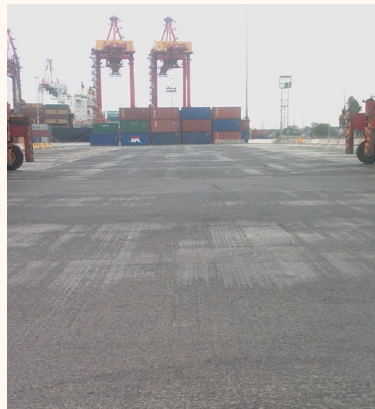
RIGIPHALT® can be applied as an overlay, or existing surface levels can be retained using mill and fill techniques, subject to Fulton Hogan's thickness verification process.

The recommended minimum layer thickness is 50mm, however the selection of the final thickness depends on the intended usage of the surface.

Thinner layers may be appropriate if strength is not an issue and the purpose of the application is to provide fuel and chemical resistance, durability or other surface properties.

PROVEN PERFORMANCE

RIGIPHALT® has been placed and proven in a number of container terminals including Fisherman Island, Port Botany, Swanson Dock in Melbourne and the Port of Newcastle.



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