

DURATOUGH™



bringing materials to *life*™



Lafarge Asphalt is committed to being the leading developer and supplier in North America, of innovative asphalt products designed to optimize quality, performance, durability and sustainability.

Duratough™ is a semi flexible surfacing system for pavement areas that are subject to heavy and/or slow moving traffic, or where a durable, hard wearing, impermeable and fuel resistant surface is required



Product Overview

Duratough™ is a proprietary grouted composite pavement that offers a jointless, durable, hard-wearing surface with very high resistance to deformation and fuel degradation.

Duratough™ is suitable for both new construction and resurfacing contracts, for use in heavy industrial and commercial applications such as loading bays, distribution centers', and aircraft refueling areas, bus stations and dolly pads.



Duratough™ is designed using Lafarge's expertise in cement and asphalt technology as well as our experience in the installation and design of pavements, and offers a cost effective alternative to concrete, where construction speed and application of traffic is a factor.

Duratough™ is the ideal solution for the highest stress sites where heavy or point loads occur. It is particularly suitable for sites where significant fuel spillage may occur.

Duratough™ Technical Details

- Can be laid directly on existing asphalt or concrete
- Fuel and chemical resistant
- High point load resistance
- High sheers stress resistance
- Limited construction joints
- Rapid curing and subsequent opening to traffic
- The grout can be pigmented to provide a wide choice of colors

Performance

Duratough™ comprises of a 75mm thick porous asphalt support coat, laid by conventional asphalt paving equipment. The cementitious grout is mixed on site and poured onto the support coat completely filling the voids.

The grout has a compressive strength in excess of 70 Mpa with a typical indirect tensile stiffness modulus of greater than 3,000 MPa.

Duratough™ is not sensitive to water and resistant to aviation fuel, diesel and petrol.

Duratough™ can be trafficked by vehicles within 24 hours and by pedestrian traffic after three hours.



Lafarge's commitment to sustainability

Sustainable construction practices and products represent the future of our industry, and Lafarge is proud to offer the DURAPAVE line of asphalt products that contribute directly to the reduction of greenhouse gas emissions, reduced waste materials in landfills, and extended life spans for aggregate resources.

Last year, Lafarge's asphalt operations across North America recycled nearly 200,000 tonnes of material into new asphalt through our Duraphalt™ and Duracycle™ products. Our proprietary warm-mix technology, Duraclime™, consumes less fossil fuel to produce than conventional hot mix, which means lower carbon dioxide emissions at our plants, and reduced smoke and fumes from the mix on the job site.

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