

# DURATINT™



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.

Duratint™ is a colored hot mix asphalt designed to provide demarcation for safety or parking zones, or to provide an aesthetic alternative to conventional black asphalt surfacing materials.

## Product Overview

Duratint™ consists of a concentrate pigment mixed with any Durapave asphalt surfacing product or conventional hot mix asphalt surface course to provide a vibrant color.

Duratint™ can be manufactured using either conventional asphalt cement or where available clear asphalt cement as the binder. When using conventional asphalt cement the color choice is restricted to red or green, however if available a clear asphalt cement expands the color choice to red, green, buff yellow and a natural finish.

Duratint™ with conventional asphalt cement has excellent demarcation characteristics and good long term color retention properties, which make the material ideal for traffic calming schemes. Further examples of where an alternative color has proved beneficial are bus lanes and stopping areas and for highlighting cycle routes and lanes.

The use of a synthetic, clear asphalt cement provides scope for a wider range of aesthetic alternatives typically used on private residential areas and commercial schemes where the use of a range of colors adds to the aesthetic value of the site.



## Technical Details

- Duratint™ is laid as a surface course
- Duratint™ can be laid using conventional asphalt paving equipment and compacted using conventional asphalt compaction equipment, however all construction equipment and working tools should be properly cleaned out to avoid any contamination of conventional hot mix asphalt - any residue from haul trucks, pavers, workers boots and tools will contaminate the finished product
- Duratint™ can be imprinted to give a patterned surface appearance (for example red paving stones)

## Performance

The addition of the red pigment to conventional hot mix asphalt designs does not impact the technical performance of the material.

The use of a synthetic clear asphalt cement will generally increase the materials resistance to fuel spillage, technical testing of materials using these binders have found comparable performance results to those achieved with conventional asphalt cement.

\*To maximize the long term color benefits the color should ideally be matched to that of the aggregate used in the mix (dependant on the level and type of traffic).



### 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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