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Colour

SIAC





The manufacture and laying of asphalt is at the heart of what we do. SIAC, originally the South of Ireland Asphalt Company, laid its first asphalt road in the 1920's. Since then our business has been evolving and developing to meet and exceed our clients requirements.

D U R A C O L O U R



We operate a state-of-the art computerised Asphalt Plant at Monastery Road, Clondalkin, Dublin where we manufacture a complete range of black macadams, asphalts and specialised coloured asphalts. We provide a complete service encompassing the design stage all the way through to installation of the customers surface. All our products meet Irish and European Standards.

The Duracolor range provides our clients with a robust surfacing material that will complement and enhance any home, office, or public space. Designed in partnership with Atlantic Bitumen, Duracolor has been created specifically to compliment and enhance the built and natural environment.

The colour range we offer is
that which only nature can
provide

Duracolour is a hot applied surfacing material manufactured within a conventional asphalt process. By using naturally coloured aggregates and pigments a uniquely organic feel and appearance is achieved, one that is unattainable with conventional asphalts of lesser aesthetic quality. The use of naturally coloured aggregates and pigments also ensures lifelong colour fastness that will not wear or degrade with time. Our advances in asphalt technology now enable customers to incorporate natural looking surface that are reliable and long lasting.

The Duracolour range is available in a number of our standard colours but may be manufactured to a bespoke colour for particular projects.

Sandstone, limestone, basalt, granite and schist make up much of the rock-scape of western Europe. The colour of these rocks is most noticeable on our shores, where they have been exposed and weathered. This wonderful array of colour & texture is derived from each rock types mineral content and lifecycle. The Duracolour range embodies these colours and textures recreating the beauty of the natural environment within our built environment.



BLUE

RED

BEIGE

GREY

GREEN



THE BENEFITS OF DURACOLOUR

Durability - Duracolour is a long lasting and hard wearing surface. It has the lifespan of conventional asphalt road materials and can be designed to accomadate all vehicle types, even HGVS.

Appearance - Duracolour can be colour matched to the existing buildings or landscape providing a more relaxed appealing environmen and is often used to delineate cycletracks, bus routes or pedestrian areas.

Installation time - Duracolour has a short installation time; much faster than concrete or cobblelock. It provides all the benefits of conventional asphalt with added aesthetic beauty. Projects can be completed within as little as one day (scale dependant).

Maintenance free - Duracolour surfaces require no maintenance and will remain weed free. The colour does not fade with time - as the surface wears it exposes the naturally coloured aggregate further enhancing the appearance of the surface.

Flexibility of design - Duracolour can be used to fit virtually any shape or design requiring no formwork. We can also provide a free draining surface which negates the installation and expense of drainage gullies.

Safety - Duracolour improves illumination by reflecting rather than absorbing light, reducing energy needs and creating safer spaces. The textured surface is non-slip.

PHYSICAL PROPERTIES

Property	Mexphalt CLT Specification
Penetration at 25°C, dmm	40 - 60
Softening Point °C	> 50

Property	Mexphalt CLT
Penetration at 25°C, dmm	46
Softening Point °C	71
Frass Breaking Point	-16
Rotational Temperature	
Viscosity at 120°C	3.8
Viscosity at 130°C	2.3
Viscosity at 150°C	0.9
Viscosity at 180°C	0.3
Flash Point PMCC, °C	> 230

Duracolour is made using Mexphalt C Bitumen, a synthetic light stable polymer modified binder providing all the benefits of high quality polymer modified bitumen's with a light stable pigmentable binder.

All the aggregates used with the Duracolour range are colour matched for the desired finish and comply with EN 13043.

TECHNICAL INFORMATION

The Duracolour range is manufactured to comply with CEN standard EN 13108. We design materials to fit the Stone Mastic Asphalt group (IS EN 13108 part 5) - 10mm and 6mm Stone Mastic Asphalt.

The 10mm is predominately used for trafficked areas with the 6mm specified for pedestrian footpath locations. For specifiers the material is called up as: 10mm SMA Duracolour Duracolour SMA 10 surf and 6mm SMA Duracolour Duracolour SMA 6 surf. As a general guide for specifying we recommend a 35mm layer on 40- 60mm of Bindercourse for the 14mm and 10mm. 6mm can be laid to a minimum depth of 25mm on 40- 60mm of Bindercourse.

Rut depth is a measure of a materials ability to resist deformation. Duracolour exceeds the limits of the requirements of EN 13108 for surfacing materials. Resistance to rutting was assessed according to EN 12697-22 using the 'small device' method.

DURA COLOUR

SIAC is ready to advise you on the product
most suitable for your application. For
further information and technical details
please visit our website



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Duracolour is Irish made and all products are CE marked. SIAC is a member of CIF and NSAI





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