

A partnership approach

Heritage Resin Bonded Surfacing



Colas Limited

Colas Ltd operates throughout the UK as a service provider to the highway and airfield sectors. A subsidiary of the international Colas group, Colas can draw upon the resources and expertise of one of the worlds leading organisations, for construction and maintenance within the roads and airfields industry. Research and development is an integral part of our growth strategy and as a result provided Colas with an extensive portfolio of differing processes designed to meet the pressing challenges clients are faced with in today's industry.

The Colas Heritage Surfacing system brings together a combination of materials, carefully selected to harmonise with their surroundings and designed to meet the expectations of different site conditions and usage patterns. Colas also install decorative and amenity exterior lighting to promote the safe enjoyment of outside spaces and will carry out all the necessary Civil Engineering works required.

Colas' commitment to care and attention to detail from inception to completion has made Colas the choice for many prestigious clients.



Installation

Heritage Surfacing is specified for the more prestigious and prominent sites within the UK, careful workmanship and attention to detail is fundamental. Our own highly skilled experienced operators prepare sites and ensure that all vulnerable areas are protected before application.

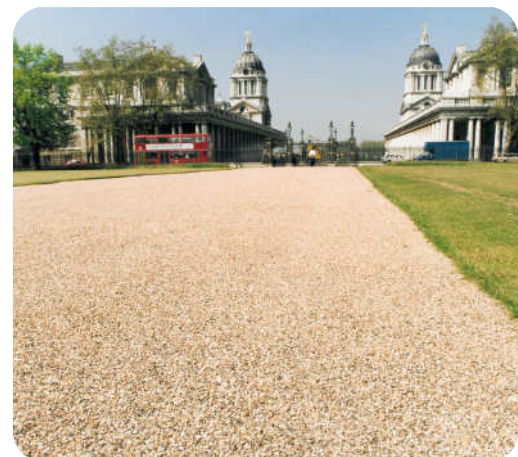
Processes are carried out using purpose built machinery in a variety of sizes to suit both large and restricted areas. Colas work in close partnership with the client to achieve successful, non-conflicting installations.

Choosing the right Heritage Surfacing installation is imperative. Intermediate binders can be used on low level usage areas whereas high use requires high strength binders. Colas provides a comprehensive service and will guide the client through this process, and provide a variety of solutions, whether the durability is required for 5 or 10 years for example.

Site Applications

Heritage Resin Bonded Surfacing can be used in the following ways:

- Heritage & Conservation sites
- Housing developments
- Parks & Recreation Areas
- Driveways
- Roads & Car parks
- Cycle & Canal tow paths
- Golf Courses
- Cemeteries
- Footways & Pedestrian zones
- Garden festivals

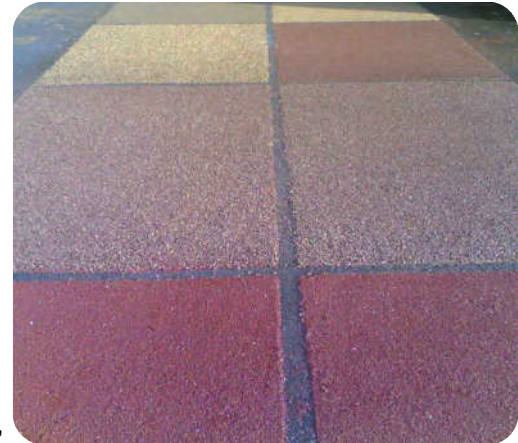


Coloured Aggregates

There are a number of different variables to consider when making aggregate and resin selection, such as degree of wear and tear expected by either vehicular or pedestrian activities, aesthetic appearance required or specified, and life expectancy of the finished surface. All of these are taken into account to ensure the client is provided with a finished surface suitable for their needs.

Colas can accommodate almost any colour, either natural aggregates or specially coloured to suit either existing surfacing or to blend in naturally with the surrounding buildings or landscape. The most popular choice, particularly from architects, is the natural coloured aggregate which provides excellent durability, low maintenance and aesthetic appearance.

Colas work closely with Architects, Project Managers and Homeowners to ensure information is available as early in the design stage as possible so clients have time to consider different coloured aggregates, Resins (coloured, natural or black), and also finished texture. Samples can be sent out of the various aggregates, or, more commonly, a Colas representative will visit the site to assess requirements and offer suitable aggregate choices.



Spraygrip

Spraygrip, a bitumen extended epoxy resin, is used in situations where there is potential for high lateral stress caused, for instance, by power steering, by vehicles braking or by high volumes of traffic.

Spraygrip II, a polycarbonate binder, allows high durability Heritage Surfacing to be applied over concrete substrates and gives the option of coloured binders where required.

Colas can provide an alternative to the Heritage Bonded Surfacing when the surface to be laid upon is a type 1 construction with no black top surfacing. A Fibredec system which is a Bitumen emulsion extended with Fibreglass stands to form a homogeneous surface with aggregate of choice spread onto it. Colas are now able to offer Spraygrip 3 as a binder which is classed as a clear Epoxy resin based binder. A clear binder is used instead of black, enabling the binder to be coloured to the clients' specifications.

Bargate Market

Colas' most recent contracts have been for the London Borough of Richmond where a commendation was achieved for the works carried out at Chalmondely Walk. In addition Colas successfully completed works at Southampton Bargate. The Bargate Friday Market in Southampton is a high profile location adjacent to some historic elements of the City's architecture. This pedestrianised area regularly stages French markets and the Council wanted a surface that would be durable enough to withstand the rigours of market operations whilst also being visually pleasing, enhancing the surrounding area and complimenting the architectural style.

Colas, working in conjunction with Southampton City council and Halcrow as part of the Framework Partnership Contract, proposed its Heritage Surfacing for this environmentally sensitive project. This decorative resin-based system used Spraygrip 2, a flexible polycarbonate binder, with an aggregate of 70% Yellow Gravel and 30% Bauxite. After resurfacing over 1,500m² in one week the market was in full swing again on the following day.



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