

Heritage Surfacing

Hidden strength, visible benefits

Decorative surfacing design

Surfacing Systems - Designed for the built environment



The Heritage Surfacing Design Process

It is essential to make the correct informed choice when considering the use of a Heritage Surfacing installation. Good choices made early can enhance the performance and appearance of the finished surface. Thought must be given to what the client ultimately wants from the system, what it is to be used for and what it must look like. Our skilled advisers will be happy to guide you through this process and offer a variety of solutions.

The Design Process - Step by step

What is the use?

- Vehicles
- Pedestrians
- Wheelchairs
- Low Use: allows the use of intermediate binders
- High Use: requires high strength binders

How long must it last

- 5+ years
 - 10+ years
 - Indestructible?
- The better the grade of binder and aggregate, the longer the durability.

Choose / alter pavement design

If there is lower use levels, the pavement could simply be sub-base finished with Fibredec Heritage. No need for bituminous macadam construction.

What colour? What texture?

There are many neutral colours available and different sizes.
The size and shape of the aggregate will give different texture to the finish.

Choose aggregate and binder system

Using the correct data, the correct choice of binder system and aggregate can be made, recognising the needs of the client, matched with economic and long-term durability.

Design choice

Are environmental considerations and sustainability part of your design criteria? If so, we have vegetable based binders as a design option.

1. Fibredec
2. Colasgrip
3. Vegecol



Colas Heritage Surfacing

An effective solution to problems above and below the road surface

Our decorative surfacing design brings together a combination of materials, carefully selected to harmonise with their surroundings and designed to meet the requirements of different site conditions and usage patterns.



The Colas decorative surfacing design philosophy is to combine traditional values and expertise with today's advanced management techniques and practices.

Colas is able to provide a range of processes carried out by specialist operators and bespoke machinery to the decorative surfacing sector. The attractive, traditional appearance of the surfaces, together with the durability necessary for vehicular and pedestrian traffic makes them particularly suitable for high profile sites.

Each site is assessed to ensure the appropriate process/products are chosen for the client and end user. Processes are carried out using purpose built machinery in a variety of sizes to suit both large and restricted areas. We understand the requirements of our clients and work with them to achieve successful projects.



Typical site applications:

- Heritage Sites
- Housing Developments
- Parks & Gardens
- Civic Amenities
- Art & Exhibition Centres
- Driveways
- Conservation Areas
- Car Parks
- Cycle Paths
- Pedestrianised Areas

1. Fibredec

A unique combination of bitumen emulsion, aggregate and chopped glass fibres, Fibredec acts as a thin, strong, flexible and waterproof top layer. Fibredec is laid in a swift, single-pass operation and finished with one of a wide range of natural or artificially coloured aggregates to achieve a precise aesthetic effect.



Durable

Independent tests carried out by the Universities of Nottingham and Ulster have shown that Fibredec significantly enhances the durability, tensile strength and lifespan of a wide range of surfaces.

Fast

Quickly applied in a single pass, Fibredec causes minimum disruption to businesses, local residents and the travelling public.

Distinctive

Fibredec utilises a wide range of natural and pigmented aggregates, providing a diversity of aesthetic blends to suit all environments and end uses. Natural aggregates can be chosen to suit local or regional environments, particularly relevant when a scheme is being designed to harmonise with rural surroundings. Similarly, schemes when demarcation of the surfacing is a design feature can be achieved by incorporating the use of durable pigmented aggregates.

A wide range of different coloured aggregates is available.



2. Colasgrip

In situations where there is potential for high lateral stress, caused for instance by power steering, vehicles braking, or high volumes of traffic, a synthetic resin system is recommended. Colasgrip can be applied over both bituminous and concrete substrates and the binder pigmented to blend with the choice of aggregate, if required. Colasgrip offers the perfect surfacing solution for decorative sites, imposing driveways and landscaped areas.

Durable

A high quality, cost effective and sustainable solution, providing enhanced tensile strength and durable long-term performance.

Attractive

Colasgrip can be dressed with natural or artificially coloured aggregates to provide an aesthetically pleasing finish that compliments the surrounding area.

Fast

Colasgrip is an entirely non-toxic synthetic resin and as such can be used in environmentally sensitive areas.



3. Vegecol

Extensively used in France, Belgium and Hungary, Vegecol offers all the environmental benefits of a sustainably produced vegetable-based binder whilst outperforming traditional bituminous alternatives. Either pigmented or transparent, it can enhance a surface by adding colour or by revealing the natural tones of the aggregate.



Attractive

In its natural state, Vegecol is transparent, enabling the use of local aggregates to achieve a finish sympathetic to the local environment. For a more striking effect, coloured aggregates can be used. Vegecol itself can also be coloured with one of a wide range of pigments, emphasising or changing the colour of the underlying aggregate to suit a range of purposes.

Sustainable

Vegecol can be used to bond decorative surface treatments or as the binder in surface course materials. Both offer sustainability benefits with a smaller carbon footprint.

Fibredec

Aston Hall, Birmingham

Aston Hall's historic gardens were re-landscaped as part of the mansion's renovation programme. The client stipulated that all works remained in keeping with the history of the house and surrounding environment, and for this reason Fibredec was specified as the preferred surfacing option. Colas received much acclaim for restoring the gardens to their former glory.



Townley Hall, Burnley

Colas were approached to provide an aesthetically pleasing surface to the grounds at Townley Hall, to remain in keeping with the historic building. With cost effectiveness in the mind, the client also requested that the new surface be hard-wearing, so that repairs would not be needed for a long time. Fibredec was chosen for its capability to meet both these requirements.



Colasgrip

Sage HQ

A sustainable long-term surfacing treatment was required to dress the forecourt and footways surrounding Sage HQ, a modern office complex in Newcastle-Upon-Tyne. Colasgrip was chosen for its highly durable and aesthetic qualities. The finish comprised a buff coloured aggregate which perfectly complimented the glass structured building.



Eden Court

Colasgrip surfacing was applied to footways and a courtyard at Eden Court, a combined arts centre located in Inverness, Scotland. Colas provided a resin bound gravel paving with a view to enhancing the appearance of this high profile facility. The result was a surface which was in keeping with the glass and brickwork structure of the building.



Vegecol

Durham

Sustainable surface dressing applied to footway near the city's World Heritage Site. An attractive finish was required and Vegecol binder mixed with coloured gravel was chosen to compliment the surroundings. The client was fully satisfied by the texture and appearance of the finish and by the environmental benefits offered by the plant based binder.



Basingstoke Canal

A section of the Basingstoke Canal towpath was treated using a combination of Vegecol binder with the Fibredec process. Use of the clear Vegecol binder allowed coloured aggregate to show through and also provided a seamless and invisible joint between two adjacent applications of Fibredec.



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