



**COLAS**

UNITED KINGDOM

# **Fibredec Heritage Surfacing**

Hidden strength, visible benefits

Decorative surfacing design

Surfacing Systems - Designed for the built environment





## Fibredec 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           | > Driveways            |
| > Housing Developments     | > Conservation Areas   |
| > Parks & Gardens          | > Car Parks            |
| > Civic Amenities          | > Cycle Paths          |
| > Art & Exhibition Centres | > Pedestrianised Areas |



## THE FIBREDEC HERITAGE SURFACING

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.

### FAQ

#### What is the use?

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

#### How long will it last

- > Between 5 and 10 years

The better the grade of binder and aggregate, the longer the durability.

#### Choose / alter pavement design

Depending on the levels of use, Fibredec Heritage could be applied straight onto Type 1 sub-base without the need of bituminous material, therefore reducing the costs.

#### 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

Whatever the intended use, using the correct data we can come up with the right design and binder for the aggregate, matched to the clients requirements and budget, to give long term durability.

1. Fibredec
2. Colasgrip





## 1. FIBREDEC HERITAGE

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 are 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.





## 1. 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 hardwearing, so that repairs would not be needed for a long time. Fibredec was chosen for its capability to meet both these requirements.

### Basingstoke Canal

A section of the Basingstoke Canal towpath was treated using the Fibredec process. The client needed an decorative finish therefore golden granite was used to match to the surroundings.

## 2. 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.

### Durham

Sustainable surface dressing applied to footway near the city's World Heritage Site. An attractive finish was required and a coloured gravel was chosen to compliment the surroundings. The client was fully satisfied by the texture and appearance of the finish.



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