

Concrete

Artevia™ Colour



Artevia™ Colour enhances the architectural and visual appeal of concrete and is the ideal solution when it comes to design, durability and cost.

- Coloured concretes are aesthetically more desirable and pleasing
- Create contrast with other materials or surroundings
- Permanent colouring results in increased colour fastness
- Cost effective alternative to painted industrial floors
- Coloured concrete can be supplied to comply with any specification or grade
- Monolithic construction offering structural integrity with decorative effect
- Alternative to decorative surface coatings, reducing construction cost and build programme time
- Permanent colouring means no need to re-paint every 10 years
- Combines the flexibility of in-situ concrete with a decorative finish

- A multitude of surface finishes are possible from power float to sponge texturing allowing striking visual effects
- Durable and long lasting
- Through colouring ensures that visual appeal can be maintained even in the event of surface damage.

Manufacturing standard

Artevia Colour conforms to the requirements of European standard BS EN 206-1:2001 concrete - Part1: Specification, performance, production and conformity and with the requirements of BS8500-1 and BS 8500-2 2006.

As with all Aggregate Industries products Artevia Colour is manufactured under an independently monitored third party quality assurance scheme in accordance with ISO 9001, and with factory environmental compliance to ISO 14001.



Colour swatches

- | | | |
|-------------|-----------|---------------|
| 1. Ocean | 2. Buff | 3. Graphite |
| 4. Midnight | 5. Sunset | 6. Terracotta |
| 7. Rustic | 8. Olive | 9. Natural |



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Installation standard

The Artevia Colour range is intended to be placed by conventional skip, pump or direct placement methods.

Available in consistence classes S1, S2, S3, S4 and F1 – F3.

Full compaction will be achieved by the correct application of standard vibrating equipment. Using other methods may not allow the product to achieve its full potential and should be evaluated with our assistance before use.

Curing

As with any concrete, it is essential to cure Artevia Colour correctly. Effective curing will reduce the potential for efflorescence which can detract from the visual appearance of the concrete. Application of a surface sealer will protect the concrete and will brighten and enhance the colour intensity.

Artevia may be assumed to have identical drying performance to conventional concrete. Usual good practice should be followed in the prevention of plastic shrinkage cracking and premature drying. Certain spray applied curing membranes may affect the final colour of the concrete. Always consult the membrane supplier prior to purchase and use.

Curing should continue for the period specified.

Typical performance and technical data

The engineering properties of Artevia Colour may be taken as being (in all respects) similar to conventional concrete and for design purposes should be assumed to be those stated in EN1992-1-1 table 3.1.

Available in strength classes from:	C15/20 to C50/60
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Flexural strength from:	4 to 6 N/mm ²
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Drying shrinkage:	0.055%
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The consistence class to be utilised is dependent upon the application, it will be discussed and agreed prior to supply.

The Artevia Colour range can be offered as alternatives to traditional mixes - Please ask a member of our technical team for advice.



Sustainability and local sourcing

Responsible sourcing: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

- quality management
- environmental management
- health and safety management
- greenhouse gas emissions
- minimising raw material usage
- labour practice
- biodiversity
- community engagement.

Energy use: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

Manufacturing location: produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Recyclable: the product can be designed for a life in excess of 120 years and is fully recyclable.

Key aggregate and recycled content

This product may be supplied containing a recycled or secondary aggregate to achieve a reduced environmental impact and increased Green Guide ratings for structural elements and assist in achieving BREEAM waste credits.

Policies

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com.

COSHH data

Full COSHH data on the concrete range of products is available on request.

Technical support

Detailed guidance and assistance with the preparation of specifications and use of concrete products is available through the sales offices. A free technical service is also available.

Call our concrete technical services at the nearest sales location to your contract.

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