

Concrete

Artevia™ Exposed



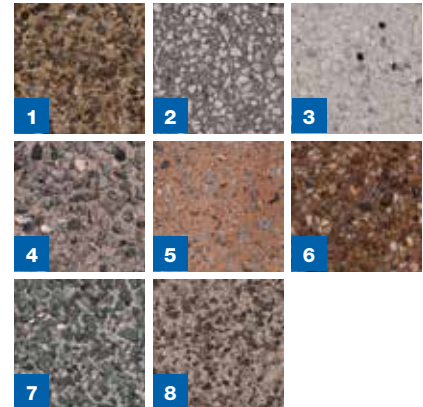
Artevia™ Exposed enhances the architectural and visual approach of concrete and is the ideal solution when it comes to design, durability and cost.

- Exposed aggregate concrete offers the designer a broad pallet of visual possibilities both in texture and colour
- Monolithic construction offering structural integrity with decorative effect
- Free from aspects of vehicle rutting
- Creates contrast with other materials or surroundings
- The close aggregate texture is more akin to natural surfacing materials
- Allows the finish to be tailored to the client requirements
- Naturally slip and skid resistant
- Easy low maintenance
- Through increased reflectivity, light colours have the potential to reduce lighting requirements of local area resulting in potential reduction in energy consumption.

Manufacturing standard

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

As with all Aggregate Industries products Artevia Exposed 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. Buff | 2. Graphite | 3. Polar |
| 4. Sunset | 5. Terracotta | 6. Rustic |
| 7. Olive | 8. Natural | |



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Installation standard

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

Particular care should be required when using compaction equipment to ensure that a dense mix with consistent aggregate distribution is achieved. Excessive or localised vibration will affect the aggregate concentration and subsequent appearance.

Curing

The surface retarding admixture also acts as an initial curing agent. However once the aggregate exposure process is complete, the concrete should be cured with an appropriate sealer/curing agent. This will ensure that the concrete matures fully whilst protecting the concrete surface and enhancing colour intensity. Any failure to do so will result in some loss of performance, formation of surface efflorescence and may invalidate any warranty offered.

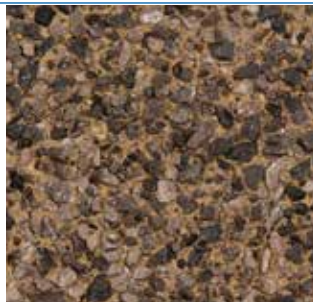
Typical performance and technical data

The engineering properties of Artevia CEExposed 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
Flexural strength from:	4 to 6 N/mm ²
Drying shrinkage:	0.055%

The consistence class to be utilised is dependent upon the application and finishes required, it will be discussed and agreed with the placing contractor prior to supply.

The Artevia Exposed range can be offered as an alternative to traditional concretes - please ask a member of our technical team for advice.



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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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