

AGGREGATE INDUSTRIES

Concrete

Strike™



Strike™ is a unique system developed to meet the ever increasing needs of fast-track construction.

Strike is a complete system delivering rapid strength development together with a clear, risk free understanding of the in-situ strength of the structural unit. Together, these allow for the early striking of formwork and acceleration of the works, targeting increased productivity and profitability.

The Strike range of specialist concretes has been designed to fit today's construction specifications and to reduce construction times. Compared to traditional methods, Strike concrete enables formwork or moulds to be stripped earlier offering contractors a competitive advantage.

Features and benefits

- **Strike concretes are bespoke designs giving you the assurance of fitness for purpose whilst minimising costs**
- **Strike concrete mixes are designed to suit the specific strength gain requirements required to support your project program**
- **Formwork may be struck between 4 and 24 hours from completion of casting, dependant on the ambient temperature, section size and the Strike performance selected**
- **Suitably specified Strike can support up to two casting cycles in a 10-12 hour working day.**
- **Strike concretes are designed for ease of placing and finishing**
- **Formwork striking time may be supported by an absolute value of in-situ strength using the Strike Now digital remote sensing service, a system unique to Aggregate Industries**
- **Backed by our unrivalled customer service record, Strike is available from all our UK operations.**

Applications

Strike is intended for use in both in-situ and precast concrete applications across a wide range of construction types:

- Structural frames and flatwork
- Housing
- Marine
- Transport infrastructure
- Precast products and structural members.



Manufacturing standard

Strike conforms to the requirements of European standard BS EN 206-1:2001 Concrete Specification, performance, production and conformity together with the requirements of BS8500-1 and BS8500-2 2006.

As with all Aggregate Industries' products, Strike concretes are manufactured to high standards under an independently monitored third party quality assurance scheme in accordance with ISO 9001, and with factory environmental compliance to ISO 14001.

Aggregate Industries was the first ready-mixed concrete business to achieve the "Excellent" rating set by BES 6001 Responsible Sourcing.

Installation standard

The Strike range may be placed by any conventional method. Successful placing has been achieved using pump, conventional skip and direct placement. Achieving the optimum finished surfaces may require discussion with our technical services department before construction begins.

When placing Strike it is normal to use trained operatives, should you require support with the training Aggregate Industries would be happy to assist.

Curing

As with any concrete to achieve the desired properties it is essential to ensure correct and adequate curing. The performance of Strike concrete will be assisted by the use of insulating blankets during periods of cold weather their use is strongly advised.

Typical performance and technical data

The engineering properties of Strike concretes may be taken as being in all respects the same as conventional concrete and for design purposes should be assumed to be those stated in EN1992-1-1 table 3.1.

Strike is available in strength classes	C15/20 to C50/60 higher grades possible
Flexural strength from	3 to 8 N/mm ²
Typical drying shrinkage	0.055%

The consistence class to be utilised is dependent upon the application. It will be discussed and agreed prior to supply.

The Emerald range can be offered as alternatives to traditional mixes – please ask a member of our technical services department 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 our concrete products is available on request.

Technical support

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

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

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Bardon Hill, Bardon Road, Coalville,
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Scottish region

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Toms Forest sales office

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Tel: 01487 644200 Fax: 01487 844250

Midlands and North region

Carnforth sales office
Barton under Needwood sales office

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Tel: 01283 714187 Fax: 01283 712084

South region

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Plymouth sales office
Melbur sales office

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Tel: 01752 485201 Fax: 01752 408378
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London Concrete

Sales office

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www.aggregate.com/strike



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