



EVOLUTION™ FOUNDATION

Evolution™ Foundation is a high performance concrete specially formulated to demonstrate excellent free-flowing and self-levelling characteristics. It's a versatile, economical, easy to place concrete, specifically for use in foundation and trench applications.

Where to use Evolution™ Foundation

- House, garage, conservatory and wall foundations
- Commercial mass foundations
- Industrial trench fill

Advantages of Evolution™ Foundation

- Easily placed and economical
- Foundation can generally be poured from a single discharge point
- Completely fills trench irregularities, intersections and voids
- Reduced labour required for placing, levelling and finishing
- Can be specified to meet aggressive ground conditions
- Enhanced workability and excellent early strength
- Ready to take brick or blockwork after 24 hours
- Virtually self-levelling reducing bricklayer setting-out time
- No compaction necessary, reduced noise
- No need to add extra water, reducing the 'soft' layer
- Meets or exceeds the relevant British and European Standards
- Meets NHBC and Local Authority requirements

A cost competitive solution

The product cost of high performance concrete can be more than offset by significant productivity and performance gains. Because Evolution™ Foundation can flow into a trenchworks from a single point, is self-levelling and requires no compacting with vibration equipment, the cost of placing the concrete can be reduced. In addition to the cost benefits there is also the improved on-site health and safety to take into consideration.

About Evolution™ High Performance Concrete

Self-compacting concrete is gradually becoming the preferred formulation worldwide for many applications such as foundations, floors, walls and complex bespoke structures because it combines great strength and superb finishes with the opportunity to make serious project productivity improvements. The Evolution™ range fine tunes the high performance concept to provide outstanding solutions for specific applications.

Evolution™ is a high performance, self compacting concrete brand from CEMEX the world's leading suppliers of readymix concrete, and one of the largest producers of aggregates and cement. With operations in over 50 countries CEMEX is a growing global building solutions company pursuing innovative industry advancements whilst promoting a sustainable future



Technical Specification

Characteristic strength	C20
Technical category	Self-levelling, high performance concrete.
Material flow behaviour	SF1/VS2+, low consistence 600+/- 50mm.
Other characteristics	Mixes available for varying aggressive ground conditions.
Applications	Mass fill and trench fill foundations.

Specifications and Standards

All CEMEX Readymix products meet or exceed the relevant British and European standards. Certification is available on request.

Delivery

The standard CEMEX Readymix truck mixer is ideal for straightforward deliveries to site, always ensure the area has suitable vehicle access and that sufficient labour is organised to handle the order. Where access or ground conditions may be a problem contact your local sales office well in advance.

CEMEX Readymix also offers a range of flexible options for concrete delivery, including a small loads services, a cost effective means of placing small volumes of concrete, ideal for home building, extension and renovation work, or where site access is difficult.

A sales directory service and estimating guide are available on our website www.cemex.co.uk

Health and Safety

The elimination of vibrating equipment improves the working environment wherever Evolution™ concrete is being placed, by reducing the exposure of workers to noise and the risk of 'vibration white finger' caused by vibration. These improved practices and health & safety benefits, make Evolution™ an attractive solution.

Contact with concrete may cause irritation, dermatitis or severe alkali burns. There is serious risk of damage to the eyes. Wear suitable waterproof protective clothing, gloves and eye/face protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. After contact with skin, wash immediately with plenty of clean water. Keep out of reach of children. Contains Chromium (VI), which may cause an allergic reaction.

For a detailed datasheet please visit the health & safety section of our website www.cemex.co.uk

FAQ's

Q. Is the concrete easy to place in a strip foundation?

A. Yes, Evolution™ Foundation has been specifically designed for difficult situations providing that the depth of concrete to be placed exceeds 500mm. The flow may be restricted where the depth is less than 500mm.

Q. Will the concrete be resistant to chemicals in the ground?

A. Evolution™ Foundation has been designed to meet NHBC and British Standard requirements for low-rise buildings. Additionally, the mix can be modified to cater for more aggressive ground conditions. You must advise when placing the order.

Q. How long after placing can the bricklayer start work?

A. Normally, the following day, but the concreted foundation must be protected in cold weather conditions.

Q. Is it available nationwide?

A. Due to the precise properties and location of the materials required to create the specific flowing properties please check on regional availability with your local sales office.

Q. Can Evolution™ Foundation be supplied in full loads?

A. Yes.

CEMEX UK and Sustainability

CEMEX UK strives to be socially, economically and environmentally responsible in everything we do. For example, we're aiming to reduce CO₂ emissions by investing in trials of a sustainable fuel that can replace fossil fuels by up to 30%. '24/7 Load' delivers non-urgent materials out-of-hours, further helping to reduce road congestion. We also use materials from other industries that would otherwise go to landfill.

To drive these activities we have a commitment to data collection and the measurement of environmental performance. We also restore land used for extraction and recycle water used for stone washing and aggregate reclamation. It all adds up to industry leading environmental performance.

For more information contact the Evolution™ Enquiry Line

Tel: 0800 667 827

Email: gb-evolution@cemex.com

Or visit our website at

www.cemex.co.uk/evolution

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The information contained in this publication was accurate at the time of production, however CEMEX reserves the right to introduce modifications or changes to detail at any time, as part of a policy of continuous improvement.

