



## *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.

### 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.

### A COST COMPETITIVE SOLUTION

The product cost of high performance concrete can be more than offset by significant productivity and performance gains. 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.

### APPLICATIONS

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

### ADVANTAGES

- Easily placed and economical
- 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

\* N.B. Dependant on quality formwork and placement

## TECHNICAL SPECIFICATION

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

\*Where pump applications are required please note material flow behaviour may need changing.

## 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.

## SPECIFICATIONS & STANDARDS

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

## RESPONSIBLY SOURCED

CEMEX's commitment to sustainable development and ethical and responsible sourcing has been formally recognised through this official accreditation.

By using CEMEX UK readymix products with the BES6001 certification our customers can score more credits under BREEAM, the most widely used environmental assessment method for business.

The BES6001 certification complements a range of other ongoing initiatives at CEMEX UK to reduce waste, water, energy use and CO<sub>2</sub> emissions, while increasing the use of alternative fuels and by-products in the manufacturing of building materials.



## HEALTH & 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 for both precast concrete and civil engineering design and construction.

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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.

## 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.

For further information please contact  
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