

Technical Data

Strength Class: Available in a range of strength classes from C50/60 up to C80/95

Flexural Strength: A minimum of 6 N/mm²

Early Strength: > 25N/mm² at 24Hrs

Consistence Class: Available in a range of consistence classes to suit every application from S2 to SF1

Exposure Class: Can be designed to meet the most severe Exposure Classes in BS 8500-1:2006 subject to satisfactory cover to reinforcement.

Specification

Requirements for particular strength classes, consistence class and DC-Class should be advised at the time of ordering.

Manufacture

CEMEX MicroTech conforms with the requirements of BS 8500-1:2006, BS8500-2:2006 and BS EN 206-1:2001

CEMEX MicroTech is manufactured in closely controlled, quality assured ready mixed concrete plants and is available from over 200 locations across the UK.

All plants are independently certified by The Quality Scheme for Readymix Concrete to comply with the requirements ISO 9001 and hold BES 6001 certification for responsible sourcing.

Installation

CEMEX MicroTech can be placed using conventional placing techniques such as direct discharge, skip or pump and there are no special handling requirements.

In order to achieve the best performance from CEMEX MicroTech it is essential to ensure that the concrete is fully compacted and properly cured immediately after the concrete is placed and finished. It is strongly

recommended that a curing membrane is applied to the concrete to prevent any moisture loss from the concrete since CEMEX MicroTech has a very low water: cement ratio and the loss of water through poor curing will prevent the concrete reaching its full potential.

Health and Safety

Contact with concrete may cause irritation, dermatitis or severe alkali burns. There is a 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), may cause allergic reaction.

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

Sustainability Commitment

As a company, CEMEX UK embraces the challenges of sustainable development, striving to be socially, economically and environmentally responsible in everything we do to safeguard the needs of future generations. CEMEX Readymix use efficient automated batching systems reducing waste water discharge. Other similar systems are in place for stone washing and aggregate reclaim and finally during production operations water is extracted at many of the plants.

CEMEX

CEMEX is the world's leading supplier of readymix concrete and has an international reputation for innovative concrete solutions. CEMEX Readymix produces a full range of mixes designed for specific applications in the commercial, industrial and civil sectors. These include fibre concretes and Evolution™, a range of self-compacting concretes with free-flowing and self levelling characteristics.

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HIGH PERFORMANCE CONCRETE

When you are placing concrete in harsh conditions where aggressive chemicals or high levels of abrasion are present then you need a high performance concrete that can provide the highest levels of durability and technical performance.

CEMEX MicroTech is a range of advanced concretes, carefully formulated with microsilica and the latest admixture technology to produce high performance concretes with exceptional levels of durability in the harshest of environments.



The technology used in the formulation of **CEMEX MicroTech** ensures a high strength, low permeability concrete with enhanced resistance to sulphate and chloride attack.

Coupled with increased levels of flexural strength and improved resistance to impact and abrasion, CEMEX MicroTech is the high performance concrete that will deliver in the most challenging of environments.

Advantages of CEMEX MicroTech

- » High impact and abrasion resistance providing extremely durable surfaces for paving and flooring applications
- » High strength concrete suitable for use in heavily loaded applications
- » Very low permeability giving enhanced resistance to chloride, sulphate and acid attack
- » Higher flexural strength than conventional concrete allowing reduced design thicknesses for floors and paving applications
- » High early strength allowing rapid access to the finished structure
- » Easy to place and finish with standard placing techniques
- » Enhanced resistance to high temperatures

CEMEX MicroTech Range

CEMEX MicroTech S: An all-purpose high performance concrete suitable for use in most applications.

CEMEX MicroTech HS: A high performance concrete designed to give 28 day compressive strengths in excess of 80N/mm² particularly suited to very heavily loaded applications.

CEMEX MicroTech PF: A high performance concrete incorporation structural polypropylene fibres to give enhanced performance in flooring and paving applications.

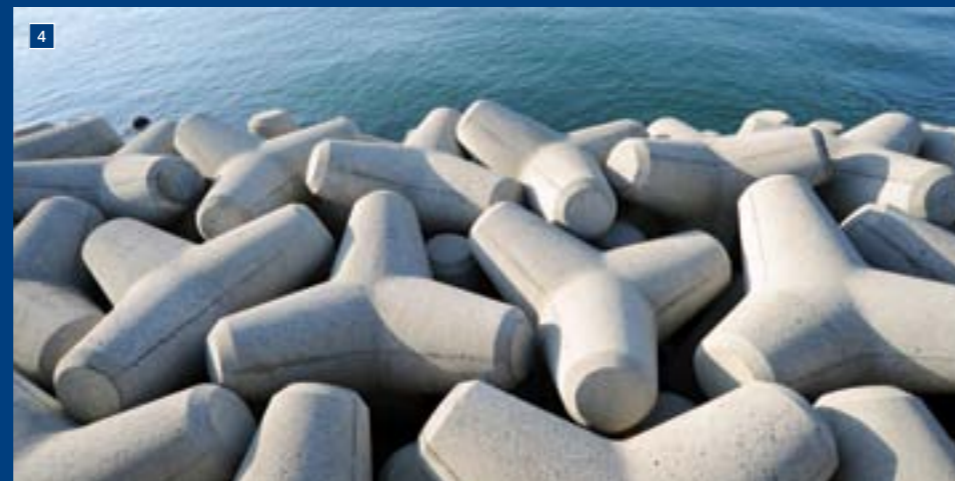
CEMEX MicroTech SF: A high performance concrete incorporating steel fibres to give exceptional performance in high impact and high abrasion resistant flooring and paving applications.



Applications

CEMEX MicroTech can be used in a wide variety of demanding applications including:

- » Airfields
- » Nuclear plants
- » Sea defence work
- » Effluent treatment plants
- » Chemical works
- » Recycling centres
- » High rise buildings
- » Scrap yards and metal handling facilities
- » Petrochemical installations
- » Transport infrastructure
- » Ports, dockyards and container handling facilities



- 1. Petrochemical plant
- 2. Recycling centre
- 3. Second Severn river crossing
- 4. Tetrapod breakwater
- 5. Sewage treatment works
- 6. Nuclear reactor dome