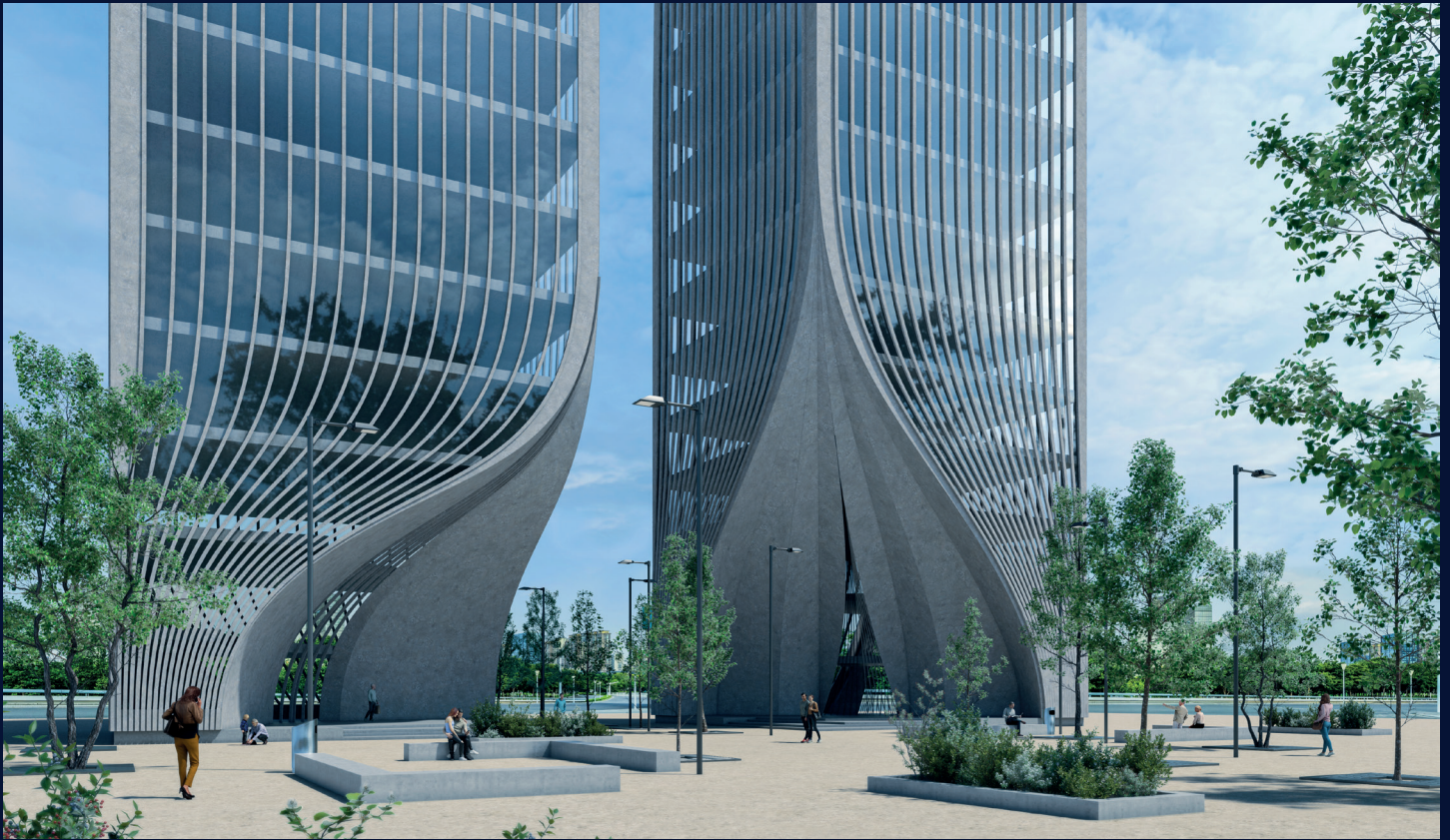




DYNAMax is High Performance Concrete (HPC) meeting special combinations of performance and uniformity requirements that cannot always be achieved routinely using conventional constituents.

HPC is an engineered concrete product designed through a careful selection and proportioning of its constituents. The main features of DYNAMax are strength, durability, stiffness and the ability to build far more, with less concrete.

FEATURES & BENEFITS

- ▶ High Strength
- ▶ Superior Concrete Stiffness
- ▶ Outstanding Durability
- ▶ Sleeker Buildings
- ▶ Stiff and Rigid Concrete Cores
- ▶ Highly Chemical Resistant
- ▶ Build Far More With Less

APPLICATIONS

- ▶ Walls, Columns and Beams
- ▶ Tight Tolerance Buildings
- ▶ Marine, Flood and Coastal Sea Defences
- ▶ Tunnel Linings
- ▶ Concrete Frame Car Parks
- ▶ Heavily Trafficked Concrete Floors
- ▶ Flat Suspended Concrete Floors

USE

- ▶ Do not add water or any other additive to DYNAMax on the job site.
- ▶ Concrete should not be poured during periods of prolonged and high ambient temperature.
- ▶ Adhere to all health and safety regulations when handling concrete. Proper PPE must be worn; goggles, hard hats, gloves, boots and reflective clothing is recommended.
- ▶ Working life of up to 90 minutes from the time of batching indicated on the delivery ticket.
- ▶ Pre-pour meeting prior to use is strongly recommended.
- ▶ DYNAMax is circular and can be recycled into a crushed concrete aggregate at end of use.

RANGE

	DYNAMax	DYNAMax ^{XD}	DYNAMax ^{XR}	DYNAMax ^{XRD}
High strength	✓	✓	✓	✓
Outstanding durability		✓		✓
Superior stiffness			✓	✓

APPLICATIONS

Many applications are possible with DYNAMax, including walls, beams, columns and flat slabs within many structural and civil construction projects. DYNAMax enables the use of thinner cross-sections for columns, walls and slabs as well as substantially wider spans and wider column grids. This offers greater design flexibility, improved functionality and more usable space for the same building volume.

DYNAMax allows for increased freedom in architectural design that enables the execution of sophisticated, cantilevered and bold ideas in concrete.

DYNAMax provides flexibility in structural designs of components and structures to use less concrete and steel reinforcement. Resulting in lighter elements, lower dead load and reducing the overall carbon footprint of the building.

TECHNICAL DATA

DYNAMax is fully compliant with BS 8500-2:2023+A2:2019

	DYNAMax	DYNAMax ^{XD}	DYNAMax ^{XR}	DYNAMax ^{XRD}
High strength	C60/75-C90/105 N/mm ² *	C60/75-C90/105 N/mm ² *	C60/75-C90/105 N/mm ² *	C60/75-C90/105 N/mm ² *
Outstanding durability		Max chloride ion coefficient 3×10 ⁻¹² m ² /s**		Max chloride ion coefficient 3×10 ⁻¹² m ² /s**
Superior stiffness			From 40 GPa***	From 40 GPa***

TESTING

Plastic and hardened concrete testing shall be completed in accordance with the appropriate part of BS EN 12350 (Testing fresh concrete) and BS EN 12390 (Testing hardened concrete). Hardened concrete test samples cast as cylinders that will be used for compressive strength testing will require end preparation, which is typically achieved by grinding or capping, as detailed in BS EN 12390-3

TRANSPORT

Before arranging for transportation and delivery of DYNAMax please confirm site access is suitable for truck deliveries, consider the use of a concrete pump for sites with access difficulties, ensure concrete pump is ready prior to batching, and confirm there are no height restrictions that could hinder site access.

ORDERING

When ordering DYNAMax please confirm the required compressive strength grade and consistency class / slump flow value. Where an elastic modulus requirement exists, then coordinate your delivery with our local Technical team.

PLACEMENT

DYNAMax is readily placed by all conventional methods with excellent pumping properties and high workability characteristics. Placement, compaction, finishing and curing methods must follow established procedures and best practice in order to yield the optimum performance.

LET'S TALK ABOUT YOUR IDEAS

Further information available at www.holcim.co.uk/products/ready-mix-concrete/DYNAMax.

COMPLIANCE NOTES

*At 28 day or 56 day compliance.

**Chloride Ion Migration Determined in accordance with NT Build 492, 1999-11.

***Modulus of Elasticity in Compression of Concrete is determined in accordance with BS EN 12390-13:2021, method B.

SUSTAINABILITY & LOCAL SOURCING

Energy use and greenhouse gas emissions

Holcim UK is at the forefront of sustainability and has committed to reducing both energy and greenhouse gas intensity 5% year-on-year.

Recyclable

100% of the product can be recycled thus reducing the amount of material that is sent to landfill. Leancrete can be specified to contain recycled material.

Manufacturing location

Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

Responsible sourcing

Holcim is at the forefront of sustainability and were among the first companies worldwide to have our 2030 and 2050 CO₂ reduction targets validated by the Science Based Targets initiative (SBTi). The BES 6001 standard assesses:

- ▶ Quality Management
- ▶ Environmental Management
- ▶ Health and Safety Management
- ▶ Greenhouse Gas Emissions
- ▶ Minimising Raw Material Usage
- ▶ Labour Practice
- ▶ Biodiversity
- ▶ Community Engagement

POLICIES

Holcim UK's policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.holcim.co.uk.

COSHH DATA

Please be aware that concrete is both abrasive and alkaline, so protective clothing, gloves, wellingtons, overalls and safety glasses etc. should always be worn. Cement can burn your skin.

Full COSHH data on Minimix products is available on request. Please call the technical helpline on **01283 712677**.

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.

Holcim UK Head Office

Bardon Hill
Bardon Road
Coalville
Leicestershire
LE67 1TL
Tel: **01530 510066**
Fax: **01530 512198**

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REGIONAL CONTACTS

North East & North West

(Scotland-administered plants)

Plants: Ashington, Gateshead, Darlington, Barrow, Lancaster, Preston

Sales Contact: 01698 871100 | rmxnortheastsales@holcim.co.uk

Small Loads (Minimix): 0191 4699992 |

northminimix@holcim.co.uk

Products: Ready-Mix Concrete, Liquid Screed

Collections: All plants (except Lancaster)

Manchester, Yorkshire & North West

Plants: Bradford, Leeds, Tinsley, Salford, Manchester, Stalybridge, Stoke, Sandbach, Chester, Liverpool, Seaforth, Wigan

Sales Contact: 01524 736933 | rmxnorthsales@holcim.co.uk

Orders (Manchester Plants): 0161 3032330 |

manchester@holcim.co.uk

Products: Ready-Mix Concrete

Collections: All plants

Scotland

Plants: Glasgow, Coatbridge, Edinburgh, Ratho, Renfrew, Bonnyrigg, Duntilland, Grangemouth, Gladsmuir

Sales Contact: 01698 870947 | scotlandconcrete@holcim.co.uk

Products: Ready-Mix Concrete, Traditional Screeds, Liquid Screeds

Collections: All plants

South West

Plants: Hillhead, Exeter, Plymouth, Redruth, Bodmin, Axminster, Torquay, Penzance, Kessel, Melbur

Sales Contact: 01752 485201 |

readymixorders.southwest@holcim.co.uk

Products: Ready-Mix Concrete, Traditional Screeds, Liquid Screeds

Collections: All plants

East & West Midlands

Plants: Nottingham, Whetstone, Barton, Aston, Redditch, Bordesley Green, Coventry, Mansfield & Derby

Sales Contact (East Midlands): 0116 289 1234 |

sales.eastmids@holcim.co.uk

Sales Contact (West Midlands): 01283 712677 |

concretesales.barton@aggregate.com

Products: Ready-Mix Concrete, Traditional Screeds, Liquid Screed

Collections: All plants

East of England

Plants: Cambridge, Peterborough (Cambridgeshire), Harlow, Wickford (Essex), Milton Keynes, Bicester

Sales Contact: 01283 712677 |

sales.eastmids@holcim.co.uk

Products: Ready-Mix Concrete, Screed

Collections: All plants

West of England

Plants: Devizes (Wiltshire), Theale (Berkshire), Faringdon (Oxfordshire), Tewkesbury (Gloucestershire)

Sales Contact: 01380 725 725 | webenquiries@holcim.co.uk

Products: Ready-Mix Concrete, Aggregates (incl. recycled), Concrete Products, Mortar, Screed

Collections: All plants

Mortars

Plants: Wrexham, Holme Park, Ellesmere Port, Croft, Kidderminster

Sales Contact: 01978 846976 | sales.mortar@holcim.co.uk

Products: Ready-to-Use Mortars, Dry Silo Mortars, Traditional Screed and Ready-mix Concrete.

London

Plants: Battersea, Ebbsfleet, Bow, Heathrow, Brentford, Purley, Hornsey, Tolworth, Greenwich, Watford, Denham

Sales Contact (RMX): 020 8380 7300 |

readymixlondon@holcim.co.uk

Cash/Web Sales: 03330 347 482 |

concrete2youlondon@holcim.co.uk

Products: Ready-Mix Concrete, Traditional Screeds, Liquid Screeds

Collections: All RMX plants (except Purley, Hornsey, Tolworth, Greenwich & Watford - unless mixer collection at dry batch plants)

South Coast

Plants: Alton, Eastleigh, Portsmouth, Shoreham (Brighton), Southampton

Sales Contact: 02392 662801 (Opt 2) | southrmxorders@holcim.co.uk

Products: Ready-Mix Concrete, Specialised Concretes, Traditional Screeds, Liquid Screeds (Cemfloor)

Collections: All plants