

# 40N HIGH PERFORMANCE CONCRETE



Holcim High Performance Concrete is a factory produced 40N High Performance Concrete consisting of dried sands, cement and other additives, ideal for applications that require a higher strength.

## GENERAL INFORMATION

A quick, easy and ready to use out of the bag pre-blended High Performance Concrete suitable for a wide range of applications.

## FEATURES & BENEFITS

- ▶ 40N strength after 28 days
- ▶ Easy to mix and use, just add water
- ▶ Factory produced - consistent and premium quality
- ▶ Plastic bags that are showerproof and recyclable

## APPLICATIONS

- ▶ Structural concrete
- ▶ Steps
- ▶ Paths
- ▶ Concrete bases (greenhouses and sheds)
- ▶ Internal or external application
- ▶ Repair and maintenance projects

## AVAILABILITY

Available in 20kg plastic bags.

## STORAGE

- ▶ This product must be stored in unopened bags clear of the ground in cool, dry conditions and protected from wind, rain and external physical damage.
- ▶ If stored correctly, as detailed above and used within the declared shelf life on this bag, the activity of the reducing agent(1) should be maintained and this product should contain, when mixed with water, no more than 0.0002% (2ppm) soluble chromium (VI) of the total dry weight of the cement(1). Added to control the level of soluble chromium (VI).

## QUALITY MANAGEMENT

- ▶ Our 40N High Performance Concrete is manufactured under a registered ISO 9001 Quality System.
- ▶ The individual components of this product comply with therequirements of BS EN 206-1.
- ▶ Materials used comply with the following standards: Cement BS EN 197-1, Aggregate BS EN 12620 & Admixtures BS EN 934-2.
- ▶ Admixtures do not contain calcium chlorides. Water added on site should be clean and free from impurities.

# HIGH PERFORMANCE CONCRETE



## MIXING GUIDANCE (BY VOLUME)

- ▶ One 20kg bag will yield approximately 0.01m<sup>3</sup> of concrete, sufficient cover approximately 0.2m<sup>2</sup> at 50mm depth.
- ▶ This product is ready to use - just add water and mix. Mixing may be done by hand or by a traditional concrete mixer.
- ▶ Over mixing should be avoided.
- ▶ Mix the contents with approximately 2 to 2.8 litres of clean water. Small adjustments to the volume of added water may be made to adjust the workability. Too much water reduces the strength, durability and bond and can cause cracking.
- ▶ Recommended temperature range for use is 5°C to 30°C.

## CONDITIONS OF USE

Holcim High Performance Concrete is fast setting with high early strength and as a result should be used within 30 minutes of adding water.

Newly finished concrete should be protected from drying out by covering with polythene sheeting or wet hessian sacking. Recommended temperature range for use is 5°C to 30°C. Standard site practice to the relevant British and European Standards should always apply. Holcim cannot be held responsible where workmanship has not been carried out in accordance with good practice.

## 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.

### Manufacturing location

Produced in the UK under strict environmental and social legislation, for local supply.

### Circular economy

We improve resource efficiency through reuse, recovery and/or recycling of waste materials in our production processes. Plus, we minimise the generation of both hazardous and non-hazardous waste.

### Responsible sourcing

Holcim UK was the first UK construction company to achieve accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

**Holcim UK has achieved a 'Very Good' rating for major product groups. 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'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](http://www.holcim.co.uk).

## COSHH DATA

Full COSHH data is available on request.

## HEALTH & SAFETY

If this product is used after the end of the declared shelf life the chromium (VI) content may be more than 2ppm. Use of cementitious products containing more than 2ppm chromium (VI) is prohibited, unless in closed, totally automated processes (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Please refer to the product safety data sheet for full information.

## TECHNICAL SUPPORT

Should you require information for this or any other product within the Holcim range, please contact our Customer Support team on **01455 288392** or email [uk-cement@holcim.co.uk](mailto:uk-cement@holcim.co.uk)

For technical support email [cement.technical@holcim.co.uk](mailto:cement.technical@holcim.co.uk) Alternatively, visit our website at: [www.holcim.co.uk](http://www.holcim.co.uk)

### Holcim

Cauldon Cement Plant, Earlsway Lane,  
Stoke-On-Trent, Staffordshire, ST10 3EQ  
Visit: [www.holcim.co.uk](http://www.holcim.co.uk)

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