

40N High Performance Concrete

Product Information

Description

40N High performance concrete providing enhanced strength for a wide range of building and DIY projects. The special, extra hardening formulation makes it ideal wherever additional structural strength is required.

Uses:

- Steps & ramps
- Paths & driveways
- Permanent pothole repairs
- Bedding of curbs & sleepers

Special Properties:

- Specially formulated for structural applications
- Can take foot traffic after 6-8 hours
- Can take light traffic, next day
- Strong high performance concrete
- Can be hand mixed

Preparation & Application Guides

All areas to be worked should be free from oil, grease and any loose material.

Do not feather edge.

Minimum application thickness is 40mm.

Prior to application, ensure that the substrate is prepared by pre-wetting to prevent loss of moisture from the wet concrete as it is placed.

Mixing Instructions

1. Empty the required amount of the 40N High Performance concrete onto a clean, dry, flat surface.
2. Add small amount of clean water (2 to 2.5 litres per large bag) while mixing thoroughly until the required consistency is achieved.

Avoid adding too much water as this will weaken the concrete mix and affect the setting time.

Protect newly placed concrete from the weather/drying winds for up to 7 days using a polythene sheet, damp hessian or curing membrane until fully hardened.

Recommended application temperature is 5 to 25°C.

Do not use when air temperature is below 5°C or when ground is frozen.

Clean all equipment and tools with water prior to the material setting.

Typical Performance

Compressive Strength: 40N/mm² at 28 days

Initial Set Times: 6-8 hours

Yield

Approximately 90 large bags are required to produce 1m³. When mixed with water a large bag will cover approximately:

0.15m² at a depth of 75mm thick

0.11m² at a depth of 100mm thick

Health & Safety Warning

- Risk of serious damage to eyes
- Contact with wet cement, wet concrete or wet mortar may cause irritation, dermatitis or burns
- Contact between cement powder and bodily fluids (e.g. sweat and eye fluid) may also cause skin and respiratory irritation, dermatitis or burns
- Contains chromium (VI)
- May produce an allergic reaction

Safety

- Avoid eye and skin contact by wearing suitable eye protection, waterproof clothing, waterproof footwear and waterproof gloves
- Clothing contaminated by wet cement should be removed immediately and washed before use
- Avoid breathing dust
- Keep out of the reach of children
- On contact with eyes or skin, rinse immediately with plenty of clean water
- Seek medical advice after eye contact

Storage Conditions and Soluble Chromium (VI)

This product must be stored in unopened bags clear of the ground in cool dry conditions and protected from excessive draught.

If stored correctly, and used within six months of production, the activity of the reducing agent will be maintained and this product will contain when mixed with water, no more than 0.00002% (2ppm) soluble chromium (VI) of the total dry weight of the cement.

Use of this product after the end of the declared storage period may increase the risk of an allergic reaction

Shelf life: 9 months in an unopened bag, stored in dry conditions

Quality Control

All products are factory blended, tested and packaged in accordance to our quality standards

Information, Prices & Ordering

Regular orders for Tarmac pre-blended cementitious products should be made by contacting our national order line on 01302 718 404 giving as much notice as possible but not less than 48 hours.

For technical enquiries please call 01302 718 440.