

DESIGNED AND MANUFACTURED BY BREEDON GROUP, BREEDON Titan™ HAS BEEN DEVELOPED TO PRODUCE A TOUGH, RUGGED CONCRETE THAT WILL PROVIDE ENHANCED PERFORMANCE IN ENVIRONMENTS WHERE AGGRESSIVE CHEMICALS AND ABRASIVE ELEMENTS ARE PRESENT.

Where your project requirements are superior durability, high strength and a quick turn around, BREEDON Titan™ will provide you with a high performance product that can achieve any of these requirements.

APPLICATIONS

- Fast track projects
- Industrial yards floors
- Ideal for airport runway repairs, road repair, factory yards replacement, machine bases, freezer floor replacement, or any application that requires fast strength gain.
- Aggressive conditions including waste storage and chemical exposure
- Superior durability

BREEDON Titan™ provides contractors and specifiers with a secure fast track solution to many of the more challenging aspects of construction.

BREEDON Titan™ is based on carefully optimised binders and admixtures in conjunction with aggregates selected in accordance with the proposed end use.

It is distinguished by a number of enhanced and special technical properties.

The in-situ compressive strength of BREEDON Titan™ is much higher than conventional concrete, achieving:

- Typically 28-32 N/mm² at 24 hours (minimum 25N/mm²)
- Typically 70-80 N/mm² at 28 days (minimum 60N/mm²)



WHEN CORRECTLY SPECIFIED WILL DELIVER THE FOLLOWING:

- Very low permeability providing enhanced chemical resistance
- High impact resistance
- High early strength for rapid access
- High flexural strength
- High mix cohesion
- Low water cement ratio for rapid drying
- High ultimate 28 day strength for superior durability

BREEDON Titan™ can be utilised in all forms of construction from transport infrastructure, office and schools to recycling yards, engineering works and petrochemical factories.

The concrete can be tailored to each particular challenge of your contract and conforms with the requirements of European Standard BS EN 206-1 and the requirements of BS8500-1 and BS8500-2.

BREEDON Titan™ is normally laid in excess of 100mm in depth. For applications requiring less than 100mm, please contact your local customer service centre to discuss requirements.

All concretes in the BREEDON Titan™ range are low bleed, virtually impermeable and high strength, which provides a far higher level of durability, wear and chemical resistance than can be achieved by conventional concrete.

BREEDON Titan™ is also available in a wide range of colours.

BREEDON Titan™ is available in a range of proprietary formulations suitable for many specific applications.

The BREEDON Titan™ range is intended to be placed by conventional skip, pump or direct placement methods. Full compaction will be achieved by the correct application of standard vibrating equipment. **The use of a curing membrane is essential.**

This type of concrete has an exceptionally low bleed tendency which means that the surface of the concrete must be protected against moisture loss during casting by preventing the direct effects of wind and sun on the surface.

Curing should begin immediately after the concrete has been placed and finished.

Excessive drying rates should be avoided within the first 24 hours.

Detailed guidance and assistance with the preparation of specifications and use of BREEDON Titan™ products is available through the local customer service centres.

TO DISCUSS YOUR PROJECT REQUIREMENTS, AND FOR MORE INFORMATION ABOUT OUR PRODUCTS CONTACT:

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The information given in this technical datasheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Breedon Group plc endeavours to ensure that the information given is accurate but accept no liability for its use or its suitability for a particular application because of the product being used by the third party without our supervision.

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