

WAIKATO READYMIX CONCRETE



PRODUCT TECHNICAL STATEMENT

PRODUCT DESCRIPTION

Waikato Ready Mixed Concrete is available in a range of strengths, colours, binder contents, rheological properties, and densities to achieve the performance requirements presented in written form by others. For "Normal Concrete" (NZS3104) the 28-day cylinder strength is the primary quality objective. For "Special Concrete" the performance requirements and methods of measure are supplied in writing by the designer / engineer.

WRMC manufactures its ready mixed concrete to NZS3104 with testing to NZS3112.2. WRMC's testing of its Concrete is done in their Lab at our Plant to NZS3112 Standards. In addition, plants are audited independently by the Concrete NZ Plant Audit scheme to confirm compliance with NZS3104. Current Plant audit status of the WRMC Plant can be obtained at www.rmcpplantaudit.org.nz.

SCOPE OF USE

WRMC Concrete is suitable for a range of structural and aesthetic purposes when designed, specified, and installed by appropriately qualified persons.

APPEARANCE

The texture and colour of WRMC Concrete will vary due to the natural materials used in manufacture and the finishing/curing techniques utilized, so some variability must be expected. Efflorescence, pinto, delamination, or colour variation is not deemed a WRMC product defect as control is outside of the responsibility of WRMC. The control and management of concrete cracking is the responsibility of the designer (appropriate positions of joints and reinforcement) or the concrete placer/builder (early age protection and curing).

MAINTENANCE

WRMC Concrete should be maintained by cleaning annually to avoid moss & algae growth as & when necessary.

COMPLIANCE WITH THE NEW ZEALAND BUILDING CODE

Concrete is a product which is combined with a range of other products such as hardfill, reinforcement, fibres, supports, anchors, structural steel, insulation, void forming pods, specialist surface finishes, jointing systems etc. to produce the end product. To ensure compliance with the NZBC, design to determine the performance requirements of the concrete shall be conducted by suitably qualified persons familiar with a range of NZ Design Standards. In addition, construction shall be conducted by appropriately skilled persons in strict accordance with NZS3109 and good trade practice.

Structure - B1: Compliance for concrete is determined by achieving 28-day compressive strengths specified by others (Designer). WRMC's quality in-house testing & auditing ensure concrete strength from the manufacturing plant, is dispatched exceeding the rejection limits specified by NZS3109. Concrete placement, on site control, vibration, and curing is the responsibility of others.

Durability - B2: Compliance for concrete is typically determined by achieving 28-day compressive strengths and binder contents/compositions specified by others (Designer). WRMC's in-house processes ensure concrete production follows good manufacturing practice as defined by NZS3104 Concrete placement, vibration, cover to reinforcement, and curing is the responsibility of others.

Fire Performance - C: WRMC Concrete is classified as non-combustible with fire ratings determined by NZS3101.

Hazardous Building Materials - F2: WRMC Concrete comply with the requirements of section F2.3.1 of the NZBC.

Should you have any pre-installation queries please call our Plant on 07 8584944.