

STRONGCRETE READY TO USE CONCRETE BPIR DECLARATION

Version 1.0 October 2023



DESIGNATED BUILDING PRODUCT: Class 1

DECLARATION

Dunlop Drymix Ltd t/a Strongcrete (Strongcrete) has provided this declaration to satisfy the provisions of the [Building \(Building Product Information Requirements\) Regulations 2022](#).

COMPANY DETAILS

Name	Dunlop Drymix Ltd t/a Strongcrete
Role	Manufacturer
NZBN	9429048686648
Address	Unit 7/9 Awa Street, Manawatu, Wanganui 4702
Website	www.strongcrete.co.nz
Email	enquiries@dunlopdrymix.co.nz
Phone	0800 379 746

DESCRIPTION OF BUILDING PRODUCT

Concrete is a composite material composed of aggregate, Portland cement and water. Through a process called concrete hydration concrete hardens and cures into a durable construction material that achieves a compressive strength measured in MPa.

Other additives can also be added to the mixture to decrease the time for the concrete to set, improve the physical properties of the wet mix or change the finished material.

Strongcrete supplies four ready to use concrete products.

- Ready to mix Concrete which achieves a compressive strength of 20 MPa after 28 days.
- 15 Minute Concrete which sets in minutes and achieves a compressive strength of 20 MPa after 28 days.
- 36 MPa Concrete which achieves that stated compressive strength after 28 days.
- Hi-Strength 15 Minute Concrete which sets in minutes and achieves a compressive strength of 36 MPa after 28 days.

SCOPE OF USE

The scope of use is determined by the compressive strength that is achieved.

20 MPa concrete is typically used for erecting fence posts, signposts, and other uses where a higher compressive load is not required.

36 MPa concrete is suitable for uses where a higher compressive load is required such as steps, slabs, driveways, corner posts.

Ready to Mix Concrete and 36 MPa Concrete may be mixed by hand or in a concrete mixer.

Hi-Strength 15 Minute Concrete and 15 Minute Concrete must be mixed by hand in-situ.

Quick to Set Concrete and Hi-Strength Quick to Set must be mixed by hand in-situ.

CONTRIBUTION TO BUILDING WORK CODE OBLIGATIONS

The Strongcrete ready to use concrete products do not have building code obligations. Code contribution arises when mixed and used in accordance with all Strongcrete instructions.

The building code obligations are:

B1 (Structure). Applicable performance criteria. The use of concrete and the strength that is achieved is well established in NZ.

B2 (Durability), Applicable performance criteria. The durability of concrete is well established in NZ based on in-service use.

F2 (Hazardous Building Materials), F2.3.1. The concrete components are not considered hazardous, and do not emit harmful gases.

FOR FURTHER INFORMATION

Strongcrete ready to use concrete products must be used in accordance with all information supplied by Strongcrete.

For supporting information refer to www.strongcrete.co.nz/products

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm Strongcrete ready to use concrete products, as referred to in this statement, are not subject to a warning or ban under [s26 of the Building Act](#).

Signed for and on behalf Dunlop Drymix Ltd t/a Strongcrete:

B Dhillon

B Dhillon
MANAGING DIRECTOR

October 2023