



45 MPa CONCRETE



45MPa
Strength at 28 days



1-2 hour
Set Time

PRODUCT DESCRIPTION

STRONGCRETE 45MPa is designed to produce a concrete mix that is easy to work with, provide excellent strength and durability.

Great for jobs like steps, slabs, driveways, footings corner posts or any jobs that require 45MPa.

When mixed according to instructions, **STRONGCRETE 45MPa CONCRETE** will meet 45MPa strength after 28 days.

STRENGTHS

When used with the maximum of 2 litres of water per bag, the following strengths can be achieved:

1 day - 10M Pa 3 days - 26 MPa 28 days - 45 MPa

Variations to the above are subject to temperature. All testing is done with a slump of 120mm.

QUANTITIES

Please refer to our website www.strongcrete.co.nz for our concrete calculator.

As a guide: 1.7 - 2 litres of water per 20kg of bag **STRONGCRETE 45MPa** will produce approximately 9.5 - 10 litres of concrete.

MIXING INSTRUCTIONS

CONCRETE MIXER



1. Put most of the 1.7-2 litres of water per 20kg bag of **STRONGCRETE 45MPa** into the mixer bowl and start mixer.
2. Gradually add **STRONGCRETE 45MPa** while the mixer is rotating.
3. Add the remaining water only if necessary.

HAND MIXING



1. Empty the **STRONGCRETE 45MPa** into a wheelbarrow, bucket or flat clean surface. Measure 1.7-2 litres of clean water per 20kg bag.
2. Gradually add the water in stages, mixing thoroughly with a spade or similar after each addition of water.
3. Check the consistency of the concrete. Use no more water than is necessary to allow the concrete to be easily placed and finished.

HANDY TIPS

- Excess water reduces durability and strength - please follow instructions.
- Ensure to mix until it's formed a uniform colour and consistency.
- Take care not to overwork or over trowel the surface.
- Ensure concrete is kept moist while it cures for at least 7 days.

STORAGE AND SHELF LIFE

Store locked up. Keep dry and store off the ground. 12 months when stored in original unopened packaging.

COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS/Identification	Conc (%)
Silica crystalline - quartz	14808-60-7	30-60
Portland Cement	65997-15-1	10-30
Ingredients determined not to be hazardous	NA	balanced

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

SAFETY DATA SHEETS ARE AVAILABLE AT WWW.STRONGCRETE.CO.NZ

Keep out of reach of children. Read label before use. If medical advice is needed, have product container or label at hand.

HAZARD STATEMENTS:

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.

SAFETY INSTRUCTIONS:

Do not breathe dust/fume. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, and face protection. Do not eat, drink or smoke when using this product. Wash all exposed external body areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

RESPONSE:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE (0800 764 766)/doctor/physician/first aider. Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

NOTE: CONCRETE IS CONSIDERED IRRITATING TO THE SKIN UNDER THE CLASSIFICATION SYSTEM; HOWEVER, THERE IS A POSSIBILITY OF BURNS IF WET CONCRETE IS LEFT IN CONTACT WITH THE SKIN FOR A PROLONGED TIME.

DISPOSAL AND ENVIRONMENT

Mop up and collect recoverable excess material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill but check with your local council and only dispose of in accordance with all regulations.

DO NOT ALLOW ANY OF THIS PRODUCT TO ENTER ANY DRAINS, SEWERS OR STORMWATER. Do not allow any concrete waste, waste water



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or any fresh concrete wash off to go down any drains, sewers or stormwater as this is toxic to aquatic life such as fish or insects.

DISCLAIMER:

Please note: Recommendations for using this product are guidelines only. Dunlop Drymix Ltd provides no warranty, express or implied, regarding its suitability for specific uses, as product application is beyond our control. For advice on suitability, please contact Dunlop Drymix Ltd. If the product is defective, contact the merchant or Dunlop Drymix Ltd. For a refund or replacement, in accordance with the Consumer Guarantees Act. Dunlop Drymix Ltd is not liable for how the product is stored or used on-site as this is beyond our control.