



CONCRETE HI-STRENGTH



PRODUCT DESCRIPTION

HI-STRENGTH ready-to-use concrete is a carefully proportioned blend of high quality materials including sands and aggregates, Portland cement and special concrete admixtures. After mixing with water, **HI-STRENGTH** is designed to produce a concrete mix that's easy to work with and provides excellent strength.

The performance and convenience of **HI-STRENGTH** make it particularly suited for concrete jobs, i.e. steps, slabs, driveways, footings, corner posts or any job specified for strength up to 45MPa.

When mixed according to these instructions, **HI-STRENGTH** concrete will exceed a 28 day compressive strength of 45MPa.

STRENGTHS

When used with the maximum of 1.7 - 2 litres of water per bag, the following strengths can be achieved:

1 day 10MPa 3 days 26MPa 28 days 45MPa

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

QUANTITIES

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

The addition of 1.7 - 2 litres of water to a 20kg bag of **HI-STRENGTH** will produce around 9.5 - 10 litres of concrete.

AVOID EXCESS WATER

Excess water reduces durability and strength.

COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS/Identification	Conc (%)
Aggregate	NA	45-50
Silica crystalline - quartz	14808-60-7	30-35
Portland Cement	65997-15-1	15-20
Ingredients determined not to be hazardous	NA	Balance

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

DISCLAIMER:

HI-STRENGTH should be used in accordance with directions. Dunlop Drymix Ltd accepts no responsibility for inappropriate application or faulty workmanship.

MIXING INSTRUCTIONS

CONCRETE MIXER:



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

HAND MIXING:



1. Empty the **HI-STRENGTH** 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

- Mix the concrete thoroughly to a uniform colour and consistency.
- Place the concrete carefully and compact thoroughly.
- Finish to the desired texture, taking care not to over-trowel the surface.
- Protect the concrete by keeping it continually moist for at least 7 days.

STORAGE

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

HAZARD



DUST MASK



GLOVES



GOGGLES



CLOTHING



FOOTWEAR

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, 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 CENTER (0800 764 766)/ doctor/physician/first aider. IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove person to fresh air and keep 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 labeled containers for recycling or salvage. Recycle containers wherever possible. This material maybe suitable for approved landfill but check with your local council and only dispose of in accord 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 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.



This packaging is recyclable
(Low Density Polyethylene)

Last Updated on : April 2026

