



CONCRETE 40™

High Strength Concrete

Westbuild Concrete40™ is a blend of Portland cement, admixtures and carefully proportioned sand and aggregates, and is particularly suited for any concrete works requiring a higher strength.

Concrete40™ is now available in a new rainproof, tear and dust resistant packaging.

Advantages

Premium Quality and Australian Made
Ready to use Dry Mix product – Just add water
Achieves strengths of up to 40mpa - higher strength than GP Concrete

**** Available in new Rainproof Packaging**



Product Attributes

Uses

Recommended For: Concrete40™ is ready to use and designed for structural footings, slabs, post and any construction work requiring high strength structural concrete up to 40 MPa.
For more information on suitable uses or uses that are not listed above, please contact a Westbuild representative.

Colour Grey

Packaging 20kg Rainproof bag (50 bags per tonne). 60 bags/pallet (1200kg).

Coverage A 20kg bag of Westbuild Concrete40™ makes approximately 0.01m³ of finished concrete.
As a guide, you will need approximately 100 bags per m³.

Shelf Life & Storage Westbuild Concrete40™, in its unopened packaging, can now be stored outside in any weather conditions and can also be stored for extended periods of time with its new rainproof packaging.



Technical Data

Product Identity

Form Powder
Colour Grey

Application Properties

Setting Time Concrete will reach initial set in 45 - 60 minutes depending on weather conditions. Final set will take several hours, and will reach full strength in 28 days. Application properties are dependent on temperature and relative humidity.

Typical Performance

Strength Typical strength of Concrete40™ can be up to 40MPa, depending on the slump and amount of water used.

Installation

Water Ratio

Concrete40™	Clean Water
20kg	2 Litres

Mixing

Enter the contents of the bag into a concrete mixer, wheelbarrow or onto a smooth non-porous surface.

Slowly add most of the required amount of water, mixing slowly and thoroughly until a workable consistency is achieved.

Add the remainder of water only if necessary to achieve a workable mix that allows the concrete to be easily placed and finished.

Avoid Excess Water, as this reduces the durability and strength of the finished concrete.

Application

Use the product within 30 minutes.

If the product begins to harden prior to use, under no circumstance add more water to the mix as this will greatly reduce the final MPa strength of the finished concrete.

Yield

A 20kg bag of Westbuild Concrete40™ makes approximately 0.01m³ of finished concrete.

As a guide, you will need approximately 100 bags per m³.

Drying Time

Concrete will reach initial set in 45 - 60 minutes depending on weather conditions. Final set will take several hours, and will reach full strength in 28 days.



Attention

Avoid excess water when mixing the product, as this will adversely affect the finished strength of the concrete.

Typical strength is 40mpa after 28 days, when mixed to a slump of 90mm.

Application temperature is +5c - 35c.

If reinforcing the concrete mix with steel, ensure it is completely covered with concrete.

If the concrete mix begins to harden before placing the concrete, do not add excess water as this will adversely affect the final strength of the cured concrete.

All wet concrete is highly alkaline. Prior to using any Westbuild Concrete product with aluminium posts or poles, Westbuild recommends you confirm the suitability of use with the aluminium manufacturer and/or supplier.

Risk

All cement-based products are alkaline and can cause irritation. This product is considered hazardous according to criteria of Work Safe Australia. A dust mask should be worn when handling the material. Continuous or extended contact with this product may cause irritation, as well as respiratory issues such as bronchitis or silicosis. Contact with the eyes and repeated and prolonged skin contact should be avoided.

Safety Precautions

A dust mask should be worn when handling the material. Continuous or extended contact with this product may cause irritation, as well as respiratory issues such as bronchitis or silicosis. Contact with the eyes and repeated and prolonged skin contact should be avoided.

Technical/Safety Data

TECHNICAL DATA SHEETS (TDS) AND SAFETY DATA SHEETS (SDS) are available on request and should always be referenced before handling this product and before the commencement of any works. A WESTBUILD Representative is always available should you require further information. Visit our website for further information on the use of this product and suitability for your application.

Related Products

Westbuild General Purpose Concrete
Westbuild Kwikset™ Concrete
Westbuild Handy-Pak Concrete

It is the responsibility of the user to ensure that products are used in accordance with the Westbuild Products Pty Ltd instructions for use, and Australian Standard procedures in applications for which they are intended. Westbuild Products Pty Ltd and its associated companies cannot guarantee and are not liable for the use of their products outside of Australian Standards guidelines and the Westbuild Products Pty Ltd instructions for use. The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge at time of printing. Freedom from patent restrictions should not be assumed.

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