



STRUCTURAL24

High Strength Rapid Setting Concrete

Structural24 is a high strength, fast setting concrete with typical structural strengths of 28MPa achieved within 24 hours. Within 72 hours, strengths of up to 50MPa will be achieved. Structural24 is a specialty product particularly suited to time critical projects and where high performance concrete is required.

Structural24 should only be used where mixing, placement and finishing can be achieved within 25-30 minutes. Westbuild STRUCTURAL24 is a high performance, rapid setting concrete that reaches exceptional strength in a short period of time. STRUCTURAL24 is particularly suited to any concrete works requiring a higher strength and a fast set time.

STRUCTURAL24 is available in a new rainproof, tear and dust resistant packaging.

Advantages

Premium Quality and Australian Made
Fast setting and immediate strength

Structural24 typical times working times are:

- 3-4hours support weight, be drilled or be anchored into
- 24 hours achieves structural strength
- 72 hours strengths up to 50MPa are reached



**** Now available in new Rainproof Packaging**

Recommended Uses: STRUCTURAL24 is ready to use and designed for structural footings, slabs, post and any construction work requiring high early strength structural concrete up to 50 MPa.

Directions:

1. Enter the contents of the bag into a concrete mixer, wheelbarrow or onto a smooth non-porous surface.
2. 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.

3. Structural24 must be mixed, placed and finished within 30 minutes.
4. Once Structural24 begins to set , the process will be rapid, ensure all tools are washed prior to the hardening process

5. 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.

STRUCTURAL24	Clean Water
20kg	1.9 – 2.0 Litres

Placing:

Always use and place the mixed product within 30 minutes. If the product begins to harden, do not add excess water as this will significantly reduce the strength of the cured concrete.

Yield:

A 20kg bag of Westbuild Structural24 makes approximately 0.01m³ of finished concrete.
As a guide, you will need approximately 100 bags per m³.

Performance:

Typical strength of Structural24 can be up to 50MPa, depending on the slump and amount of water used

Setting Times:

Concrete will reach initial set in 20-30 minutes depending on weather conditions. Final set will take several hours, and will reach full strength in 72 hours.

Packaging:

20kg Rainproof bag (50 bags per tonne).

Storage:

Westbuild Structural24, 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.

Attention:

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

Typical strength is 50MPa after 72 hours, when mixed to a slump of 90mm.

Application temperature is +5°C – 35°C.

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.



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.

Disclaimer

The use of this product is beyond the manufacturers control, and liability is restricted to the replacement of material should the product be proven faulty. The manufacturer and any affiliated companies are not, and cannot be held responsible for any loss or damage arising from the incorrect usage of the product. All workmanship must be carried out to the applicable Australian standards at the time of tiling works. The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue

Material safety data sheets should be read before handling or the commencement of any works. Material safety data sheets are available on request. A WESTBUILD Representative is always available should you require further information.

Structural24 is a trademark to Westbuild Products Pty Ltd.

Related Products and Information

Westbuild General Purpose Concrete
Westbuild Kwikset Concrete
Westbuild Concrete40

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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