

crosbe®

CROStfill®

Construction Grout

CROStfill® Construction Grout is a general purpose high strength grout with shrinkage limiting properties.

It is suitable for most void filling grouting applications including core holes, hollow block walls, under column bases and general concrete repair work. It can be mixed to a stiff, plastic or flowable consistency to an applied thickness of 10mm – 100mm.

Specially formulated with Portland cement, graded fillers and performance additives to reduce water demand and shrinkage.

Advantages:

- Versatile and easy to use premixed grout
- Shrinkage limiting properties
- Rapid strength gain – 38MPa after 24 hours when mixed to a plastic consistency
- Durable, hard wearing finish
- Free of chlorides
- Free of iron – will not rust or stain
- Excellent flow properties
- Rain and tear resistant PE bags reduce possibility of damaged bags and extend product shelf life

Surface Preparation:

Thorough substrate preparation is essential for achieving adequate adherence of **CROStfill®** Construction Grout. The substrate surfaces including base plates must be free from grease, oil, dust and any loose particles that may interfere with the bond. Surfaces must be pre-soaked with fresh water several hours before grouting. Remove any excess water immediately before grouting.

Formwork should be constructed carefully where required to retain the grout. Carefully seal any gaps with a non-porous material to prevent leakage of grout.

Mixing:

CROStfill® Construction Grout must be mechanically mixed using a forced action mixer such as a helical mixing paddle.

1. Following the recommended water addition, measure the required amount of water to achieve your desired consistency.
2. Place approximately 90% of the pre-measured potable water into a clean bucket.
3. Add CROStfill® Construction Grout gradually while mixing.
4. Continue mixing for 2 minutes after final addition of ingredients.
5. Slowly add the remaining water until the desired consistency is achieved and mix for a further 1 minute.
6. Use grout within 30 minutes of mixing. Do not attempt to retemper.

Application:

Application equipment should be selected to suit the desired grout consistency and ensure proper filling of voids. Stiff and plastic grouts can be applied with a trowel or tamping tool. Flowable grout should always be poured from one side of the void to prevent air entrapment under baseplates. Sufficient grout should be prepared to ensure continuous grout flow for each application.

Temperature Consideration:

The mechanism of interaction between cement and water is temperature sensitive. To avoid significant change in setting times, the recommended ambient temperature and water temperature range is 17 – 25 °C. Working with temperatures outside of this range will also impact the workability of the product.

Extended setting times can be expected when used in ambient temperatures less than 10 °C. When ambient temperatures are above 32 °C, consider using cool water for mixing the grout.

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Product Data:

| Property | Test Method | | Result | | |
|--|----------------------|---------|-----------|-----------|-----------|
| Consistency | AS 1478.2 | | Stiff | Plastic | Flowable |
| Recommended water addition per 20kg bag (L) | | | 1.8 – 2.4 | 2.4 – 3.0 | 3.2 – 3.4 |
| Tested water addition (L) | | | 2.1 | 2.7 | 3.3 |
| Compressive Strength (MPa) | AS 1478.2 Appendix A | 1 Day | 42 | 38 | 25 |
| | | 7 Days | 57 | 53 | 49 |
| | | 28 Days | 64 | 60 | 56 |
| Yield (L) Approximate yield per 20kg bag of mixed grout | | | 10.5 | 10.8 | 11.4 |

Testing Parameters: Laboratory at: 23±2 °C > 50% RH

Packaging:

20kg PE water resistant bags, 1000kg bulk bags

Shelf Life:

24 months from date of production if stored indoors in undamaged and unopened PE bags.

Contact Crosbe:

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Important notice:

A safety Data Sheet (SDS) is available from the Crosbe website (crosbe.com). Please read the SDS carefully prior to using this product. In an emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia).

Product disclaimer:

Recommendations and advice regarding the use of this product are to be taken as a guide only. The manufacturer of this product and any of its affiliate companies cannot be held responsible for any loss or damage arising from the incorrect usage of this product. 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 information contained herein is to the best of our knowledge, true and accurate. We reserve the right to update information without prior notice. No warranty is implied or given to its completeness or accuracy in describing the performance or suitability of the product for a particular application.

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