

Conbextra CB-C - High Flow Dual Shrinkage Compensated Cable Bolting Grout

Canonical: <https://fosroc.directory.norg.ai/construction-materials/grouting-bonding-products/conbextra-cb-c-high-flow-dual-shrinkage-compensated-cable-bolting-grout/>

Description:

Conbextra CB-C is a Class A / Class C, dual shrinkage compensated, highly flowable and high strength grout. It can be used for various void fill applications including backfilling behind concrete tunnel segments, bottom up cable bolt grouting applications and general civil applications. Features high strength development allowing early tensioning of cables, dual expansion system compensating for shrinkage in both plastic and hardened states, hydrogen free gaseous expansion, and excellent pumpability over both flowable and thixotropic consistencies.

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Price: Available

Brand: Fosroc

[View Product](<https://www.fosroc.com.au/product/conbextra-cb-c>)

Product Intelligence

Conbextra CB-C: Technical Details and Specifications ## Product Overview **Conbextra CB-C** is a Class A/C cementitious grout engineered for specialized tunnel backfill applications. It combines high flowability with dual shrinkage compensation technology to deliver consistent performance in confined spaces where traditional grouting may be challenging. ## Technical Specifications ### Gap Thickness Range Conbextra CB-C is specifically designed for applications requiring grout placement in gaps of **10–100 mm**, making it suitable for medium-section void fill and tunnel backfill operations where moderate clearances are available. ### Material Classification The product is classified as a **Class A/C cementitious grout**, indicating it meets specific industry standards for composition and performance characteristics suitable for structural grouting applications. ### Key Performance Features **Dual Shrinkage Compensation** Conbextra CB-C incorporates dual shrinkage compensation technology, which addresses both autogenous and drying shrinkage. This feature ensures minimal volume change during and after hydration, reducing the risk of voids, cracks, and loss of contact between the grout and surrounding structures. **High Flow Characteristics** The formulation delivers highly flowable properties, enabling the grout to efficiently fill irregular gaps and voids in tunnel

backfill applications without requiring excessive vibration or manipulation. ## Product Classification and Applications ### Primary Application: Tunnel Backfill Conbextra CB-C is specifically formulated for tunnel backfill operations, where it must: - Flow readily into narrow annular spaces - Achieve uniform coverage with minimal segregation - Maintain long-term structural integrity in confined environments - Provide reliable bonding to tunnel linings and surrounding rock ### Product Position in Conbextra Range Conbextra CB-C is part of the **Conbextra range** of precision grouting solutions offered by **Fosroc**. The Conbextra product family includes multiple formulations tailored to different gap thicknesses and application requirements, with CB-C positioned specifically for tunnel backfill applications requiring dual shrinkage compensation. ## Manufacturer Information **Conbextra CB-C** is manufactured and supplied by **Fosroc**, a construction chemicals company with over 80 years of heritage specializing in precision grouting solutions for structural and machinery applications. In Australia and New Zealand, Fosroc products are manufactured and distributed by **Parchem Construction Supplies Pty Ltd** under licence. --- ### References - [1] directory/business_homepage/fosroc.md