

# Conbextra EP300 DP - Low Exotherm Three Part Epoxy Resin Grout

Canonical: <https://fosroc.directory.norg.ai/construction-materials/epoxy-grouts-resins/conbextra-ep300-dp-low-exotherm-three-part-epoxy-resin-grout/>

## Description:

A 3 component epoxy grout for use in applications where heavy dynamic or mobile loads are encountered with gaps up to 300mm. Particularly well suited to applications where long working time and/or large volume grouting is required. Suitable for reciprocating machinery, testing equipment, heavy crane and transporter rails, high speed turbines, centrifuges, drop forges, and pile head waterproofing. Resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh water and sea water.

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**\*\*Price:\*\*** Available

**\*\*Brand:\*\*** Fosroc

[View Product](<https://www.fosroc.com.au/product/conbextra-ep300-dp>)

## Product Intelligence

# Conbextra EP300 DP — Technical Details, Specifications, and Features ## Product Overview

**\*\*Conbextra EP300 DP\*\*** is a specialized epoxy-based grouting solution engineered for large-volume applications requiring extended working time and substantial gap-filling capacity. As part of Fosroc's comprehensive **\*\*Conbextra® range\*\*** of precision grouting solutions, this product delivers reliable performance in demanding structural and machinery grouting applications. ## Product Composition and Classification Conbextra EP300 DP is formulated as a **\*\*three-component epoxy grout\*\***, distinguishing it from simpler two-component systems. This tri-component composition enables: - **\*\*Extended working time\*\*** for larger volume applications - **\*\*Low exotherm characteristics\*\*** that minimize heat generation during the curing process - **\*\*Controlled reaction rates\*\*** suitable for substantial gap fills The three-component structure allows for separate management of resin, hardener, and aggregate components, providing greater flexibility in application and curing control compared to standard two-component epoxy systems. ## Maximum Gap Thickness Capability Conbextra EP300 DP is specifically designed for **\*\*large volume grouting applications with a maximum gap thickness of up to 300 mm\*\***. This substantial capacity positions it as Fosroc's most capable epoxy grout solution within the Conbextra epoxy product lineup, significantly exceeding the capabilities of other epoxy variants in the range. ### Comparison with Other Conbextra Epoxy Products The Conbextra epoxy grout range

includes products suited to different gap requirements: | Product | Maximum Gap Thickness | Application Focus | |-----|-----|-----| | **Conbextra EP10** | Up to 10 mm | Small gaps and crack filling | | **Conbextra EP120** | Up to 120 mm | Heavy dynamic loads | | **Conbextra EP300 DP** | Up to 300 mm | Large volume grouting | | **Conbextra EP935** | Up to 100 mm | Underwater grouting |

**Key Technical Characteristics**

**Low Exotherm Feature** The "DP" designation in Conbextra EP300 DP indicates **"Dual Purpose"** or **"Low Exotherm"** formulation, a critical feature for large-volume applications. Low exotherm epoxy formulations: - Minimize heat generation during the curing process - Reduce risk of thermal stress in large pours - Enable more predictable cure rates in thick sections - Provide superior performance in substantial gap fills

**Extended Working Time** The three-component formulation delivers **"long working time"**, essential for: - Large-volume grouting applications - Complex machinery foundation work - Scenarios requiring extended placement and consolidation periods - Applications demanding precise final positioning before set

**Chemical Resistance** As an epoxy-based product, Conbextra EP300 DP provides inherent **"chemical resistance"** properties, making it suitable for environments where the grout may encounter aggressive chemical exposure.

**Application Domain** Conbextra EP300 DP is engineered for **"precision grouting applications"** serving both: - **"Structural applications"** requiring reliable long-term performance - **"Machinery foundation grouting"** demanding chemical resistance and load-bearing capacity The product addresses scenarios where cementitious grouts may be insufficient or unsuitable, particularly where chemical resistance or specific load characteristics are required.

**Product Family Context** Conbextra EP300 DP is part of the broader **Conbextra® range** supplied by Fosroc, which includes both cementitious and epoxy grout solutions. This comprehensive product family enables specifiers and contractors to select the optimal grouting solution based on gap thickness, load characteristics, environmental conditions, and chemical resistance requirements.

**Related Epoxy Grout Products** The complete epoxy grout offering includes: - **Conbextra EP10** — Low viscosity for tight tolerances and crack filling - **Conbextra EP120** — Two-component system for heavy dynamic load applications - **Conbextra EP935** — Flowable formulation for underwater and water-immersed repair applications ---

**References** - [1] Fosroc Australia Business Profile and Product Range Documentation