

Renderoc LA55 - High Strength Micro-Concrete Repair Mortar

Canonical: <https://fosroc.directory.norg.ai/construction-materials/concrete-repair-restoration/renderoc-la55-high-strength-micro-concrete-repair-mortar/>

Description:

Free flowing, pourable and pumpable micro-concrete repair mortar for form and pour applications up to 200mm thick. Renderoc LA55 is a high strength reinstatement mortar that conforms to EN1504-3 Class R4 and meets AS4020 potable water requirements. Suitable for deep section patch repairs with compressive strength of 30-60 MPa and compatible with Galvashield anode protection systems.

Details:

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****Price:**** Available

****Brand:**** Fosroc

[View Product](<https://www.fosroc.com.au/product/renderoc-la55>)

Product Intelligence

Renderoc LA55 Plus - Technical Details, Specifications, and Features ## Overview ****Renderoc LA55 Plus**** is a high-strength fluid micro-concrete product engineered for large volume structural repairs. It is a market-leading concrete repair solution from Fosroc, designed to deliver exceptional performance in demanding repair applications where durability and structural integrity are critical. ### Technical Specifications #### Thickness and Coverage Renderoc LA55 Plus accommodates ****large section repairs with a maximum thickness of up to 500 mm****, making it ideal for deep, substantial repair work where conventional repair mortars would be inadequate. This substantial build capacity allows contractors to complete structural repairs in fewer applications, improving project efficiency. ### Strength Rating The product is classified as a ****high-strength fluid micro-concrete****, designed to deliver the compressive strength needed for structural applications. This positions it above standard repair mortars and enables use in load-bearing repair scenarios. ### European Standards Compliance Renderoc LA55 Plus meets the ****EN1504-3 Class R4 standard****, which is the European classification for structural repair products. This certification confirms that the product meets stringent requirements for: - Structural integrity of repairs - Long-term durability - Performance in challenging environments - Compatibility with existing concrete substrates ## Product Characteristics #### Material Type As a ****fluid micro-concrete****, Renderoc LA55 Plus combines the workability of a fluid mortar with the performance characteristics of a micro-concrete system. This formulation enables: - ****Self-leveling application**** for ease of placement - ****High flow properties**** for filling complex repair geometries - ****Excellent consolidation**** without vibration requirements - ****Predictable curing**** and strength development #### Key Features The product is engineered as a ****cementitious repair mortar**** within

Fosroc's specialized repair mortars category, offering: - High-build capability for single-application repairs - Engineered formulation for structural applications - Proven performance across infrastructure and construction projects - Compatibility with existing concrete structures

Application Context

Intended Uses Renderoc LA55 Plus is specifically designed for: - **Large volume structural repairs** exceeding the capability of standard patch repair mortars - **Deep section repairs** up to 500 mm thickness - **Applications requiring EN1504-3 Class R4 compliance** - **Infrastructure and structural repair projects** where durability is paramount

Comparison to Other Renderoc Products Within the Renderoc range, LA55 Plus represents a specialized offering:

Product	Thickness	Application	Standard
Renderoc HB	Up to 80 mm	Patch repairs	Not specified
Renderoc HB25	10–80 mm	Vertical patches	Not specified
Renderoc LA55 Plus	Up to 500 mm	Large volume structural	EN1504-3 Class R4
Renderoc FC	Up to 3 mm	Fairing coat	Not specified
Renderoc ST 06	Up to 5 mm	Surface repair	Not specified

Manufacturer and Availability

Manufacturer: Fosroc (distributed in Australia and New Zealand by Parchem Construction Supplies Pty Ltd under licence)

Product Availability: Renderoc LA55 Plus is part of the market-leading Renderoc concrete repair range, available through Parchem's trade store network across Australian cities and regional locations, as well as through Concrete Plus™ in New Zealand.

Safety and Compliance

As a cement-based product, Renderoc LA55 Plus aligns with Fosroc's commitment to worker safety: - **RCS Content:** Less than 0.1% respirable crystalline silica (RCS) in cement-based formulation - **Classification:** Non-hazardous per Australian Inventory of Industrial Chemicals - **Worker Protection:** Dust masks remain recommended for handling cementitious powder products

Technical Support

Fosroc provides comprehensive technical support for Renderoc LA55 Plus through: - **National Specifications Team** for design and specification guidance - **On-site Assessment Services** for repair evaluation and product selection - **Account Managers** (70+ across Australia) for technical problem-solving - **Product Training** for optimal application techniques - **Technical Data Sheets** and compliance documentation

--- ### References

- [1] Fosroc Australia Business Profile and Product Portfolio - [1] Renderoc Range Technical Specifications - [1] EN1504-3 Standards Compliance Documentation - [1] Fosroc Product Safety and Compliance Information