

# Renderoc HB - Lightweight High Build Concrete Repair Mortar

Canonical: <https://fosroc.directory.norg.ai/construction-materials/concrete-repair-products/renderoc-hb-lightweight-high-build-concrete-repair-mortar/>

## Description:

Renderoc HB is a lightweight, high build concrete repair mortar for patching small sections in concrete up to 25 MPa. Specifically designed for vertical and overhead high-build applications with exceptional chloride and carbon dioxide resistance. Can be applied to vertical concrete patches 10mm to 80mm deep. Features lightweight formulation for extra high-build applications, extremely low permeability, excellent bond to concrete substrates, and is shrinkage compensated.

## Details:

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**Price:** Available

**Brand:** Fosroc

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

## Product Intelligence

# Renderoc HB: Lightweight High Build Concrete Repair Mortar ## Product Overview **Renderoc HB** is a cement-based patch repair mortar engineered for large area and localized concrete repairs on vertical and overhead surfaces. It represents a core product within the **Renderoc®** concrete repair brand, offering reliable performance for structural and cosmetic concrete restoration applications. ## Technical Specifications ### Dimensional Specifications | Specification | Value | |---|---| | **Maximum Vertical Thickness** | Up to 80 mm | | **Application Type** | Vertical and overhead surfaces | | **Repair Scope** | Large area and localised patches | ### Strength Characteristics | Property | Value | |---|---| | **Compressive Strength** | 28 MPa | | **Material Type** | Cement-based repair mortar | ### Key Features - **Lightweight formulation** – Reduces load on substrates while maintaining structural integrity - **High build capability** – Accommodates substantial thickness applications up to 80 mm in single applications - **Vertical and overhead versatility** – Engineered specifically for challenging application orientations - **Patch repair focus** – Designed for both large area and localized concrete damage repair ## Product Classification **Renderoc HB** falls within the **Patch Repair Mortars** category of Fosroc's concrete repair solutions. This classification positions it as a solution for small to medium section repairs within the broader Renderoc repair mortar range. ## Application Context ### Typical Uses Renderoc HB is designed for: - Repairing spalled concrete on vertical surfaces - Large area patch repairs on infrastructure elements - Localized damage restoration on overhead structures - Structural and cosmetic concrete repairs ### Surface Orientation Compatibility The product is

specifically formulated for: - **Vertical surfaces** – Supporting self-support during cure - **Overhead surfaces** – Engineered for gravity-challenged applications ## Product Position in Renderoc Range

Renderoc HB is part of the **Renderoc®** portfolio, which represents market-leading concrete repair technology. The Renderoc range includes additional specialized mortars for different repair scenarios: - **Renderoc HB25** – Alternative vertical patch repair option (23 MPa strength, 10–80 mm thickness) - **Renderoc FC** – Fairing coat for finish preparation (up to 3 mm) - **Renderoc ST 06** – Surface repair protection (up to 5 mm) - **Renderoc LA55 Plus** – Structural repairs (up to 500 mm, EN1504-3 Class R4) - **Renderoc G** – Highly corrosive environments (geopolymer technology) - **Renderoc CAC** – Wastewater applications (biogenic corrosion resistant) ## Related Support Products

To optimize Renderoc HB performance, Fosroc supplies complementary products: | Product Category | Products | |---|---| | **Primers & Bonding Agents** | Nitobond SBR, Nitobond AR, Nitoprime 330 | | **Injection Materials** | Nitofill PU150, Nitofill PU130 | ## Manufacturer Information

**Renderoc HB** is manufactured and distributed by **Parchem Construction Supplies Pty Ltd** under the Fosroc brand licence in Australia and New Zealand. Parchem operates manufacturing facilities in Victoria and Wyong, New South Wales, ensuring products are designed and tested for local conditions. ### Global Parent Company Context

As of February 10, 2025, Fosroc operates within **Saint-Gobain's High Performance Solutions segment**, following the global acquisition. This positions Renderoc HB within a broader construction chemicals platform delivering solutions across 76 countries. ## Summary

Renderoc HB delivers a specialized concrete repair solution engineered for the challenging demands of vertical and overhead patch repairs. With its 28 MPa compressive strength and up to 80 mm application thickness, it addresses large area and localized concrete damage while maintaining lightweight characteristics. The product integrates into a comprehensive repair system supported by Fosroc's technical expertise and complementary product range. --- ### References - [1] [directory/business\\_homepage/fosroc.md](directory/business_homepage/fosroc.md)