

Renderoc G - Geopolymer Repair Mortar

Canonical: <https://fosroc.directory.norg.ai/construction-materials/concrete-repair-protection/renderoc-g-geopolymer-repair-mortar/>

Description:

Renderoc G is a geopolymer repair mortar and lining system with high chemical and acid resistance for use in highly corrosive environments such as acid bunds or in sugar, dairy and wine processing industries and concrete eroded from soft water degradation. Features excellent long-term chemical resistance, high compressive, flexural and tensile strength, and can be applied by trowel, wet or dry spray methods.

Details:

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Brand: Fosroc

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

Product Intelligence

Renderoc G — Geopolymer Repair Mortar ## Overview **Renderoc G** is a specialized geopolymer mortar technology within Fosroc's market-leading **Renderoc®** concrete repair product range. It represents a tailored solution for extreme environmental conditions, specifically designed for applications where conventional repair mortars would fail. ## Technology and Composition ### Geopolymer Mortar Technology Renderoc G is based on **geopolymer mortar technology**, which distinguishes it from traditional cement-based repair mortars. This advanced material formulation provides exceptional performance characteristics suited to highly corrosive environments where durability and chemical resistance are critical requirements. ### Material Properties The geopolymer composition delivers: - **Exceptional chemical resistance** for protection against aggressive chemical exposure - **Outstanding acid resistance** for use in acidic environments - **Advanced durability** for long-term performance in extreme conditions ## Designed Applications ### Primary Use Environment Renderoc G is specifically engineered for **highly corrosive environments**. These applications include: - **Chemical exposure scenarios** where aggressive substances would degrade conventional mortars - **Acid-rich environments** such as wastewater treatment facilities and industrial chemical processing areas - **Industrial settings** requiring extended material longevity and chemical immunity - **Infrastructure exposed to corrosive atmospheric conditions** or exposure to corrosive effluents ### Industry Applications Renderoc G finds application across: - **Water and wastewater facilities** with biogenic corrosion challenges - **Chemical plants** requiring chemical-resistant repair solutions - **Industrial infrastructure** in harsh chemical environments - **Mining and resources operations** with acidic conditions - **Power generation facilities** with specialized environmental requirements ## Key

Features and Benefits | Feature | Benefit | |-----|-----| | **Geopolymer Technology** | Superior chemical and acid resistance compared to cement-based alternatives | | **Exceptional Chemical Resistance** | Protects against aggressive chemical attack in industrial environments | | **Outstanding Acid Resistance** | Maintains integrity in low-pH, corrosive conditions | | **Highly Corrosive Environment Rated** | Engineered specifically for extreme conditions | | **Advanced Durability** | Extended service life in demanding applications | | **Fosroc Quality Assurance** | Backed by 80+ years of construction chemicals expertise | **Product Positioning Within the Concrete Repair Solutions** portfolio, Renderoc G provides: - **Specialized performance** beyond standard repair mortars - **Tailored solution** for extreme environmental conditions - **Market-leading technology** as part of the Renderoc range - **Part of comprehensive repair strategy** when combined with other Renderoc products and supporting materials like primers and bonding agents **Related Products and Systems** When specifying Renderoc G, consider complementary products from Fosroc for complete repair systems: | Product Category | Related Products | Application | |-----|-----|-----| | **Primers and Bonding Agents** | Nitobond SBR, Nitoprime 330 | Surface preparation and adhesion optimization | | **Protective Coatings** | Dekguard® range | Long-term surface protection post-repair | | **Corrosion Control** | Vector® systems | Protecting underlying reinforced concrete | **Fosroc Support and Services** **Technical Support** Access to Fosroc's technical expertise for Renderoc G applications: - **National Specifications Team** providing specification support and technical guidance - **On-site Assessment Services** where representatives evaluate repair requirements and recommend solutions - **Product Recommendations** tailored to specific project conditions - **Hands-on Training** for proper product application **Distribution and Access** - **Australian and New Zealand availability** through Parchem Construction Supplies Pty Ltd - **Trade store network** across Australian cities and regional locations - **70+ Account Managers** providing dedicated support - **Direct contact:** 1800 812 864 (Australia) or 0800 657 156 (New Zealand) **Compliance and Standards** **Safety and Environmental Commitment** Fosroc's commitment to worker safety includes: - **RCS Content:** Less than 0.1% in cement-based products (non-hazardous classification) - **Australian and New Zealand standards compliance** for construction chemicals - **Recommended PPE:** Dust masks recommended for powder handling, as per product Safety Data Sheet **Quality Assurance** - Part of Fosroc's comprehensive product portfolio meeting **AS/NZS 4020** and other relevant standards - Manufactured locally by Parchem in Victoria and New South Wales (Wyong) - Products designed and tested for Australian conditions **Company Context** **Renderoc G** is supplied by **Fosroc Australia** (operated under licence by Parchem Construction Supplies Pty Ltd), a division of the global **Fosroc International** organization. As of 10 February 2025, Fosroc became part of **Saint-Gobain's** €6.5 billion construction chemicals platform, providing access to global expertise and innovation resources. **Global Backing** - **Fosroc Heritage:** Over 80 years of construction chemicals innovation (founded 1934, UK) - **Global Operations:** 20 manufacturing plants, ~3,000 employees across 76 countries - **Local Manufacturing:** Australian-made through Parchem facilities - **Technical Expertise:** 70+ account managers across Australia with extensive industry experience --- **References** - [1] Fosroc Australia Business Profile and Product Documentation