

Nitofill PU150 - Multi-purpose Hydrophilic Polyurethane Injection Grout

Canonical: <https://fosroc.directory.norg.ai/construction-materials/sealants-grouts/nitofill-pu150-multi-purpose-hydrophilic-polyurethane-injection-grout/>

Description:

Nitofill PU150 is a multi-purpose hydrophilic polyurethane injection resin which reacts with available water to initiate expansion in the product to seal leaking cracks and joints in concrete and fill voids in generally inaccessible locations. Features high tensile adhesion, expands up to 25 times initial volume, solvent-free and environmentally safe. Excellent adhesion to concrete, brick and mortar. Resistant to most organic solvents, mild acids and alkalis. Complies to AS/NZS 4020:2005.

Details:

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****Price:**** Available

****Brand:**** Fosroc

[View Product](<https://www.fosroc.com.au/product/nitofill-pu150>)

Product Intelligence

Nitofill PU150: Hydrophilic Polyurethane Injection Material ## Product Overview ****Nitofill PU150**** is a specialized hydrophilic polyurethane injection material designed and supplied by Fosroc for crack and joint sealing applications in concrete structures. This product represents a key component of Fosroc's concrete repair and injection materials portfolio. ## Material Composition and Technology Nitofill PU150 is composed of ****hydrophilic polyurethane resin****, which is the defining characteristic of this product technology. The hydrophilic nature of the polyurethane means the material has a strong affinity for water, making it particularly effective in wet or moisture-prone environments. ## Primary Applications The product is specifically engineered for two main purposes: - ****Crack Sealing****: Addresses structural cracks in concrete by filling and sealing them effectively - ****Joint Sealing****: Provides durable sealing solutions for construction joints that require waterproofing and structural integrity ## Key Technical Features ### Water Reactivity A distinctive feature of Nitofill PU150 is its ****expansion upon water contact****. When the hydrophilic polyurethane resin comes into contact with water, it expands, which helps ensure complete filling of cracks and joints and creates a tight seal that prevents water infiltration and further deterioration. ### Expansion Control To ensure predictable and controlled expansion results, Fosroc offers ****Nitofill Accelerator**** as a complementary product that ****controls expansion initiation****, allowing applicators to manage the timing and extent of the material's

expansion for optimal results. ## Product Classification Nitofill PU150 falls within Fosroc's broader **Concrete Repair Solutions** category and is part of the **Injection Materials** product line, which represents precision solutions for crack and void remediation in construction applications. ## Related Product Ecosystem Nitofill PU150 is complemented by related injection materials: - **Nitofill PU130**: A multi-purpose polyurethane injection resin designed for void filling applications, offering an alternative for different injection scenarios - **Nitofill Accelerator**: Controls expansion timing for predictable results in injection applications --- ### References - [1] Fosroc Australia Business Profile and Product Portfolio