

Polyurea WHE110 - Spray Applied Hybrid Polyurea Coating

Canonical: <https://fosroc.directory.norg.ai/construction-materials/waterproofing-coatings/polyurea-whe110-spray-applied-hybrid-polyurea-coating/>

Description:

Fosroc Polyurea WHE110 is a spray-applied, 100% solids, flexible, two-component, rapid curing hybrid Polyurea-polyurethane system, designed as a waterproofing and protective coating. Features very low VOC (18.8 g/l), excellent chemical resistance, thermal stability and UV resistance. Ideal for waterproofing large areas such as podium decks and basements with fast turn-around time - substrate can be put into service within one hour.

Details:

Fosroc Polyurea WHE110 is a spray-applied, 100% solids, flexible, two-component, rapid curing hybrid Polyurea-polyurethane system, designed as a waterproofing and protective coating. Features very low VOC (18.8 g/l), excellent chemical resistance, thermal stability and UV resistance. Ideal for waterproofing large areas such as podium decks and basements with fast turn-around time - substrate can be put into service within one hour.

****Price:**** Available

****Brand:**** Fosroc

[View Product](<https://www.fosroc.com.au/product/polyurea-whe110>)

Product Intelligence

Polyurea WHE110 — Spray Applied Hybrid Polyurea Coating ## Product Overview ****Polyurea WHE110**** is a hybrid polyurea-polyurethane spray-applied membrane coating technology manufactured by Fosroc. This premium waterproofing solution combines the benefits of both polyurea and polyurethane technologies to deliver flexible, durable protection for construction applications. ## Technical Specifications ### Solids Content Polyurea WHE110 is formulated with ****100% solids content****, ensuring maximum material efficiency and minimal waste during application. This high-solids formulation delivers superior coating thickness with reduced environmental impact compared to water-based alternatives. ### Coating Type The product is classified as a ****hybrid polyurea-polyurethane**** coating, combining the rapid cure characteristics of pure polyurea with the flexibility benefits of polyurethane technology. This hybrid approach optimizes performance across multiple application scenarios. ### Application Method Polyurea WHE110 is specifically designed for ****spray application****, enabling: - Rapid membrane deployment across large surface areas - Consistent coating thickness and coverage - Efficient project scheduling with faster installation times - Seamless membrane formation without joints or seams ## Key Features and Performance Properties ### Flexibility The hybrid polyurea-polyurethane formulation provides ****flexible application properties****, allowing the membrane to accommodate substrate movement, thermal cycling, and structural deflection without cracking or delamination. This flexibility is critical for long-term durability in dynamic construction environments. ### Waterproofing Capability Polyurea WHE110 delivers comprehensive

waterproofing protection as a **spray-applied membrane** system, creating a continuous, monolithic barrier against water infiltration. The 100% solids composition ensures complete coverage without pinhole defects or thin spots. **## Application and Use Cases ### Waterproofing Applications** Polyurea WHE110 is supplied by Fosroc as part of its **liquid-applied membrane waterproofing systems**, addressing applications including: - Foundations and basements - Roofs and terrace areas - Ground and suspended floors - Tunnels and underground structures - Bridge decks and protective overlays **### Substrate Compatibility** The hybrid technology and spray application method make Polyurea WHE110 suitable for diverse substrate types, providing durable protection for both new construction and remedial waterproofing projects. **## Manufacturing and Distribution** **Manufacturer:** Fosroc (manufactured and distributed by Parchem Construction Supplies Pty Ltd in Australia and New Zealand) Polyurea WHE110 is part of Fosroc's comprehensive waterproofing portfolio, backed by: - Global manufacturing expertise and quality assurance - Local Australian manufacturing and technical support - Over 80 years of construction chemicals innovation - Proven performance on major infrastructure projects across Australia **## Product Integration** Polyurea WHE110 integrates within Fosroc's broader **waterproofing systems** offering, which includes: - Sheet membranes (Proofex range) - Torch-applied systems - Liquid-applied polyurea and polyurethane membranes - Cementitious waterproofing solutions (Vandex range) **## Technical Support** Fosroc provides comprehensive support for Polyurea WHE110 applications: - National Specifications Team for project design support - Product application technical guidance - Hands-on training for applicators - On-site assistance for complex projects --- **### References** - [1] Fosroc Australia Business Profile and Product Portfolio