

# Polyurea WPE110 - Spray Applied Waterproofing Coating

Canonical: <https://fosroc.directory.norg.ai/construction-materials/waterproofing-coatings/polyurea-wpe110-spray-applied-waterproofing-coating/>

## Description:

Fosroc Polyurea WPE110 is a spray-applied, 100% solids, flexible, two-component, rapid curing pure Polyurea system designed as a waterproofing and protective coating. Suitable for use in potable water applications and complies with AS/NZS 4020-2018. Features very low VOC (11.15 g/l), excellent chemical resistance, thermal stability, and UV resistance. Provides seamless, monolithic protection with fast cure times (walkable in 2 minutes, trafficable in 20 minutes). Ideal for waterproofing large structures such as water tanks.

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**\*\*Price:\*\*** Available

**\*\*Brand:\*\*** Fosroc

[View Product](<https://www.fosroc.com.au/product/polyurea-wpe110>)

## Product Intelligence

# Polyurea WPE110 — Technical Details, Specifications, and Features ## Product Overview  
**\*\*Polyurea WPE110\*\*** is a two-component pure polyurea waterproofing and protection system manufactured by Fosroc. It represents a specialist liquid-applied membrane technology designed for demanding waterproofing and protective applications that require rapid cure and 100% solids formulation. ## Technical Specifications ### Formulation and Composition | Specification | Details | |-----|-----| **\*\*Product Type\*\*** | Two-component pure polyurea | **\*\*Solids Content\*\*** | 100% solids | **\*\*Resin System\*\*** | Pure polyurea chemistry | **\*\*Application Method\*\*** | Spray-applied | **\*\*Cure Mechanism\*\*** | Rapid cure | ### Compliance Standards Polyurea WPE110 meets critical compliance requirements for potable water applications: | Standard | Application | Certification Status | |-----|-----|-----| **\*\*AS/NZS 4020\*\*** | Potable water applications | **\*\*Certified Compliant\*\*** | This certification is particularly significant, as it means Polyurea WPE110 is approved for use in contact with potable (drinking) water systems, making it suitable for water storage, treatment facilities, and related infrastructure where water safety is paramount. ## Key Features ### Performance Characteristics - **\*\*100% Solids Formulation:\*\*** Eliminates solvent volatility, ensuring complete coating coverage with no VOC emissions during application - **\*\*Rapid Cure:\*\*** Fast curing enables quick project turnaround and reduced downtime - **\*\*Two-Component System:\*\*** Precise mixing

of components ensures optimal chemical reaction and performance - **Pure Polyurea Chemistry:** Delivers superior water resistance and durability compared to hybrid systems **Application Benefits -**

- Waterproofing Protection:** Creates a continuous, seamless membrane barrier against water infiltration
- Structural Protection:** Provides protective coating functionality for concrete and structural elements
- Potable Water Compliant:** Safe for use in drinking water applications, meeting AS/NZS 4020 standards
- Spray-Applied Convenience:** Allows for flexible application to complex shapes and substrates

**Related Product Technology** For reference, Fosroc also manufactures **Polyurea WHE110**, a hybrid polyurea-polyurethane alternative with 100% solids content that offers flexible application properties while maintaining similar performance characteristics. **Primer Support** Polyurea WPE110 is supported by **Nitoprime 320PU**, a polyurea primer specifically designed for polyurea membrane applications, ensuring optimal substrate preparation and adhesion. **Industry Applications** Based on its AS/NZS 4020 compliance and waterproofing capabilities, Polyurea WPE110 is suitable for:

- Water treatment facilities** requiring potable water-safe materials
- Basement and structural waterproofing** with rapid cure requirements
- Waterproofing and protection systems** for infrastructure applications
- Liquid-applied membrane waterproofing** for complex geometries

**Manufacturer** Polyurea WPE110 is manufactured and supplied by **Fosroc**, a construction chemicals company with over 80 years of heritage, currently operating globally with manufacturing presence across multiple regions. In Australia and New Zealand, Fosroc products are manufactured and distributed by Parchem Construction Supplies Pty Ltd. --- **References** - [1] [directory/business\\_homepage/fosroc.md](directory/business_homepage/fosroc.md)