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Rayson SealForce SP210

Rayson SealForce · Polyurea waterproofing membranes

1. PRODUCT DESCRIPTION

Rayson SealForce SP210 is a hot spray-applied, 100% solids pure polyurea membrane that forms a seamless, potable-grade waterproof lining on concrete and steel tanks, reservoirs and containment structures.

SealForce SP210 is Rayson's potable-grade spray polyurea: a two-component, 100% solids elastomer applied by heated spray plant that sets in seconds to a seam-free membrane on concrete and steel. It is certified for contact with drinking water (WRAS / BS 6920 in the UK), making it a lining as much as a coating.

2. RECOMMENDED USES

- Lining potable-water tanks and reservoirs
- External waterproofing of water towers and reservoir roofs
- Sealing concrete and steel tanks and structures
- Secondary containment linings
- Sewage digester linings

4. KEY PROPERTIES

- Certified for potable-water contact (WRAS / BS 6920)
- 100% solids, seamless membrane on concrete and steel
- Hard, tough surface with strong tear and abrasion resistance
- Fast set — walk-on in minutes
- High tensile strength for lining structures under load
- Waterproofing
- Abrasion resistance
- Fast return to service
- Chemical resistance

3. SUITABLE SUBSTRATES

- Prepared concrete and steel structures
- Primed and prepared per the project method statement
- Applied at temperatures at least 3 °C above the dew point, below 85% RH

5. SYSTEM ROLE

Standalone coating.

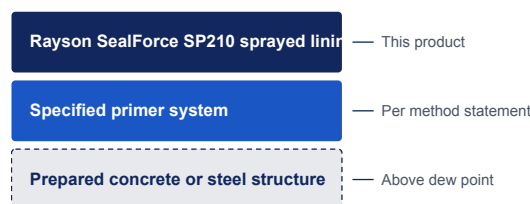


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	Concrete and steel are prepared to the project method statement — profiled, clean and dry — and primed with the specified system. Apply only where the substrate is at least 3 °C above the dew point and relative humidity is below 85%.
Mixing / dilution	Two components metered and mixed in the heated spray gun at a 1:1 volume ratio (1.12:1 by weight); components pre-heated to ~25 °C and hoses controlled to about 70 °C; Part B power-mixed before use
Application method	Hot airless spray (plural-component)
Coverage	1.0 litre/m ² per mm dry film; typically 1.5 mm wet film in one coat
Application conditions	Applied by heated plural-component spray plant by specialist applicators; substrate at least 3 °C above dew point, RH below 85%.

Drying & curing	Gel time 5–20 s at 60 °C; walk-on ~10 minutes at 20 °C; light duty ~4 hours; 100% cure ~4 days (WRAS use requires 20 days at 7 °C minimum)
Recoat interval	Minimum recoat a few minutes after the previous pass; consult the method statement for maximum windows before reactivation.
Film / thickness	Applied at 1.0 litre/m ² per mm dry film, typically 1.5 mm wet film in one coat.
Pack sizes	400 litre unit (Part A + Part B)
Storage	Keep sealed in the supplied containers, in a dry store at normal room temperature. Shelf life about 6 months from shipment.
Shelf life	Approximately 6 months from shipment in unopened original containers.

7. APPLICATION WORKFLOW



Figure 2 — Application workflow. Each stage is a hold point: confirm the previous stage is complete and within specification before proceeding.

8. RECOMMENDED SYSTEM

Potable tank / reservoir lining

1. Prepare concrete or steel per the method statement and prime
2. Spray-apply SealForce SP210 to the specified dry-film thickness
3. Observe the full cure regime, including the extended cure for potable use
4. Commission and fill after certification

9. LIMITATIONS

- Applied only by specialist applicators with heated plural-component spray equipment
- Apply above 3 °C over dew point and below 85% relative humidity
- Shelf life is 6 months from shipment — check dates before use
- Potable (WRAS) compliance requires the full specified cure regime
- Store and apply components warm (around 25 °C) for correct spray

10. HEALTH & SAFETY

Two-component product. Wear gloves, eye protection and suitable respiratory protection where ventilation is limited. Avoid skin and eye contact. Keep out of reach of children. Consult the Safety Data Sheet (in preparation) before use.

DISCLAIMER

The information in this data sheet is given in good faith and reflects typical values and general good practice. Because site conditions and workmanship are beyond our control, Rayson gives no warranty implied from this document; users should verify suitability for their specific application and confirm they are working from the current issue. For project-specific advice, contact the Rayson technical team.

RAYSON HIGH PERFORMANCE COATINGS

Singapore
Tel / WhatsApp: +65 9821 9129
support@raysonpaint.com.sg

Product page:
<https://raysonpaint.sg/products/sealforce-sp210/>