WATERPROOFING MEMBRANES

SealForce PA535

HOT SPRAY-APPLIED 100% SOLIDS POTABLE-GRADE PURE POLYUREA MEMBRANE

Rayson SealForce PA535 is a hot spray-applied, 100% solids pure polyurea membrane forming a seamless, potable-grade waterproof lining on concrete and steel tanks, reservoirs and containment structures.

KEY PROPERTIES

- Certified potable-water contact (WRAS / BS 6920)
- 100% solids, seamless membrane
- Hard, tough surface with tear and abrasion resistance
- Fast set — walk-on in minutes
- High tensile strength for lining structures



Illustration — two-part set, Part A + Part B. Pack sizes: see this data sheet.

MIX RATIO	GEL TIME	WALK-ON	DFT	PACK SIZE
1:1	5–20 s	~10 min	1.5 mm	400 litre unit
by volume; 1.12:1 weight	at 60 °C	at 20 °C	typical wet film	A+B

01 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

02 SUITABLE SUBSTRATES

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

03 SYSTEM ROLE



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

Technical data & application controls

Control the substrate, mix, application conditions and cure before handover.

SOURCE TECHNICAL DATA

SURFACE PREPARATION	Prepare concrete and steel per method statement; profile, clean, dry and prime. Apply above dew point and below 85% RH.
MIXING / DILUTION	Heated spray gun 1:1 volume (1.12:1 weight); preheat components ~25 °C; hoses ~70 °C; Part B power-mixed.
APPLICATION METHOD	Hot airless spray, plural-component.
COVERAGE	1.0 litre/m² per mm dry film; typically 1.5 mm wet film.
APPLICATION CONDITIONS	Specialist heated spray plant; substrate at least 3 °C above dew point, RH below 85%.

CONDITIONS, PACKAGING & STORAGE

DRYING & CURING	Gel 5–20 s; walk-on ~10 minutes; light duty ~4 hours; full cure ~4 days. WRAS use requires 20 days at 7 °C minimum.
RECOAT INTERVAL	Minimum a few minutes; consult method statement.
FILM / THICKNESS	1.0 litre/m² per mm dry film; typically 1.5 mm wet film.
PACK SIZES	400 litre unit (Part A + Part B).
STORAGE	Sealed supplied containers, dry store at normal room temperature.
SHELF LIFE	Approximately 6 months from shipment.

04 APPLICATION WORKFLOW

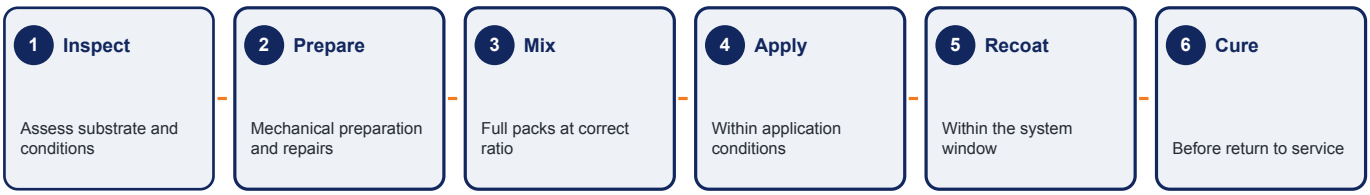

Figure 2 — Application workflow. Each stage is a hold point: confirm the previous stage is complete and within specification before proceeding.

Specify, apply and verify the system

05 RECOMMENDED SYSTEM

Potable tank / reservoir lining

1. Prepare and prime per method statement
2. Spray PA535 to specified dry-film thickness
3. Observe full cure regime including potable-use extension
4. Commission and fill after certification

06 LIMITATIONS

- Specialist applicators and heated plural-component equipment required
- Apply above 3 °C over dew point and below 85% RH
- Shelf life 6 months from shipment
- Potable WRAS compliance requires full specified cure regime
- Store and apply components warm around 25 °C

07 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.

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