WATERPROOFING MEMBRANES

SealForce PA530

HOT SPRAY-APPLIED 100% SOLIDS PURE POLYUREA MEMBRANE

Rayson SealForce PA530 is a hot spray-applied, 100% solids, rapid-curing pure polyurea membrane forming a seamless, chemically resistant waterproof and protective lining on concrete and steel.

KEY PROPERTIES

- Seamless monolithic membrane across field joints
- Rapid cure — light service within about an hour
- Chemical, impact, abrasion and puncture resistance
- Very low permeability and very low VOC
- Suitable for potable water with specified primer



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

MIX RATIO	GEL TIME	LIGHT SERVICE	DFT	PACK SIZE
1:1	5–10 s	15–20 min	1.5–3.0 mm	22.5/225 + 21/212 kg
by volume	at spray gun	after spray	specification dependent	A+B

01 RECOMMENDED USES

- Below-grade waterproofing and tanking
- Tank coating and wastewater tank lining
- Water containment, landscape features and waterparks
- Secondary containment linings
- Marine and splash-zone structures
- Roof waterproofing where sprayed membrane is specified

02 SUITABLE SUBSTRATES

- Abrasive-blasted concrete with blowholes filled
- Grit-blasted steel coated before flash-rust reforms
- Specified Rayson primer; potable contact requires potable-grade primer

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	Abrasive/shot-blast concrete and fill blowholes; grit-blast steel clean and dry; prime and allow tack-free before spraying.
MIXING / DILUTION	Heated spray gun, 1:1 volume; block/hose 60–70 °C; pressure 2000–2500 psi; do not dilute.
APPLICATION METHOD	Hot airless spray, plural-component.
COVERAGE	1.0–3.0 litres/m²; normal minimum 1.5 litres/m².
APPLICATION CONDITIONS	Specialist heated spray plant; substrate above dew point and free of surface moisture.

CONDITIONS, PACKAGING & STORAGE

DRYING & CURING	Gel 5–10 seconds; walkable ~2 minutes; light traffic 15–20 minutes; post-cure 24 hours.
RECOAT INTERVAL	Single- or multi-pass; consult method statement.
FILM / THICKNESS	Typically 1.5 mm external; 2.5–3.0 mm water-retaining structures.
PACK SIZES	Part A 22.5 kg or 225 kg; Part B 21 kg or 212 kg.
STORAGE	Original unopened drums in dry conditions.
SHELF LIFE	Approximately 24 months.

04 APPLICATION WORKFLOW

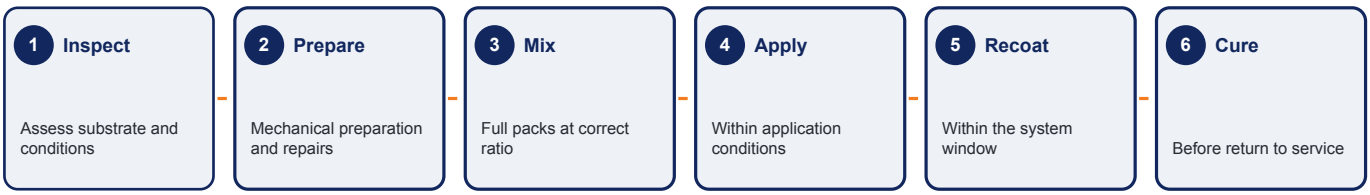


Figure 2 — Application workflow. Each stage is a hold point: confirm the previous stage is complete and within specification before proceeding.

Specify, apply and verify the system

05 RECOMMENDED SYSTEM

Sprayed tank / containment lining

1. Blast substrate
2. Fill blowholes and prime
3. Spray PA530 to specified thickness
4. Post-cure before service

06 LIMITATIONS

- Specialist applicators and heated plural-component equipment required
- Apply over specified primer; never dilute
- Aromatic polyurea discolours under UV
- Steel must be coated before flash-rust reforms
- Potable use requires specified potable-grade primer

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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