WATERPROOFING MEMBRANES

SealForce PA525-S

TWO-COMPONENT ROLLER-APPLIED POLYUREA-BASED LIQUID WATERPROOFING MEMBRANE

Rayson SealForce PA525-S is a two-component, roller-applied polyurea-based liquid waterproofing membrane — highly elastic and hydrophobic, bonding strongly to concrete, tile, metal and asphalt for wet areas, roofs and car parks.

KEY PROPERTIES

- Highly elastic (>500% elongation), hydrophobic membrane
- Strong adhesion to concrete (>2.5 N/mm²)
- Serves to 90 °C; tolerates shock to 200 °C
- Stays flexible to -40 °C
- Locally repairable in a short time



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

MIX	COVERAGE	POT LIFE	FINAL CURE	PACK SIZE
Two components	1.5–1.8 kg/m²	~30 min	7 days	25 + 1.5 kg
low-speed mix	two coats	application control	temperature dependent	A+B

01 RECOMMENDED USES

- Waterproofing beneath tiling and wet areas
- Roof waterproofing
- Primary waterproofing membrane in car-park deck systems
- Bridge and tunnel deck waterproofing
- Light metal and fibre-cement roofs
- Over asphaltic membranes

02 SUITABLE SUBSTRATES

- Sound concrete ≥25 N/mm² compressive and 1.5 N/mm² pull-off
- Tiled substrates as concealed membrane
- Metal and fibre-cement roofs with appropriate primer
- Asphaltic membranes, primed for surface type

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	Clean and sound; repair cracks and irregularities. Concrete must reach 25 N/mm² compressive and 1.5 N/mm² pull-off, then be primed.
MIXING / DILUTION	Add Part B to Part A and mix at ~300 rpm for 2–3 minutes to uniform colour; prepare only what can be used within pot life.
APPLICATION METHOD	Roller, brush.
COVERAGE	1.5–1.8 kg/m² total, typically two coats.
APPLICATION CONDITIONS	Do not apply below +5 °C; wet product is flammable, keep away from ignition sources and ventilate.

CONDITIONS, PACKAGING & STORAGE

DRYING & CURING	Pot life ~30 minutes; cure 4–6 hours; 6–12 hours between coats; final cure 7 days.
RECOAT INTERVAL	6–12 hours after previous coat.
FILM / THICKNESS	Two coats at 0.75–0.9 kg/m² per coat.
PACK SIZES	Part A 25 kg + Part B 1.5 kg.
STORAGE	Unopened in cool, dry, covered area.
SHELF LIFE	Approximately 12 months unopened.

04 APPLICATION WORKFLOW

1. **Inspect** — Assess substrate and conditions
2. **Prepare** — Mechanical preparation and repairs
3. **Mix** — Full packs at correct ratio
4. **Apply** — Within application conditions
5. **Recoat** — Within the system window
6. **Cure** — Before return to service

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

Wet-area / under-tile waterproofing

1. Prepare and prime substrate
2. Apply first coat PA525-S
3. Apply second coat after recoat window
4. Tile or overlay once fully cured

Car-park deck waterproofing

1. Prepare and prime deck
2. Apply PA525-S in two coats
3. Finish with specified wearing and anti-slip system

06 LIMITATIONS

- Apply on a sound, primed substrate
- Concrete ≥25 N/mm² compressive and 1.5 N/mm² pull-off
- Do not apply below +5 °C
- Flammable during application
- Mix only what can be placed within ~30-minute pot life

07 HEALTH & SAFETY

Solvent-based product — flammable. Ensure good ventilation, keep away from ignition sources, and wear gloves, eye and respiratory protection. 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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