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Rayson PatchBond TX80

Rayson PatchBond · Repair mortars & compounds

1. PRODUCT DESCRIPTION

Rayson PatchBond TX80 is a two-component, solvent-free thixotropic epoxy adhesive and repair compound with exceptional sag resistance that bonds and fills on vertical, overhead and even mat-damp concrete surfaces.

PatchBond TX80 is the compound for the repairs gravity makes difficult. Its thixotropic body holds at 13–15 mm on vertical surfaces without sagging, so coving, joint arrises, overhead patches and bonded fixings can be built in place rather than formed against shutters.

2. RECOMMENDED USES

- Filling voids, cracks and joints in concrete
- Bonding metal profiles and fixtures onto vertical surfaces
- Repairs to fibre cement, stone, ceramics, wood, brick and masonry
- Non-sag repair mortar on vertical and overhead faces

4. KEY PROPERTIES

- Exceptional sag resistance — holds 13–15 mm on vertical surfaces
- Moisture-tolerant — bonds to mat-damp concrete
- Hardens without shrinkage; impermeable to liquids and water vapour
- High bond strength across concrete, brick, masonry and more
- Chemical resistance
- Abrasion resistance

3. SUITABLE SUBSTRATES

- Concrete, including wet or mat-damp surfaces (no standing water)
- Fibre cement, hard natural stone and ceramics
- Wood, polyester, epoxy and glass
- Bricks, mortar and masonry

5. SYSTEM ROLE

Standalone coating.

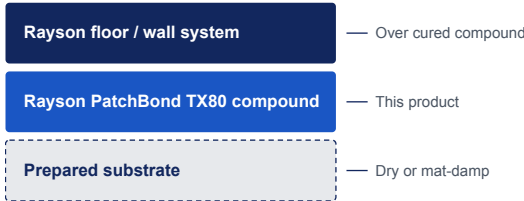


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	Substrate must be dry or mat-damp (no standing water), sound, clean and free of oil, grease, laitance and loose material. Prepare concrete mechanically, open blowholes and voids, and vacuum all dust. Brush the compound well into the substrate.
Mixing / dilution	Two pre-weighed parts, mix ratio 2:1 (A:B) by weight; mix with a low-speed drill and paddle for at least 3–5 minutes, avoiding aeration; pot life up to 30 minutes at 28 °C
Application method	Spatula, Trowel or notched trowel, Gloved hand application
Coverage	Approximately up to 1.90 kg/m ² per mm of thickness (theoretical, subject to conditions and porosity)
Application conditions	Minimum substrate temperature 10 °C; minimum mixing temperature +10 °C; cure between +10 °C and +30 °C; substrate dry or mat-damp with no standing water.
Drying & curing	Available from the Rayson technical team on request.

Recoat interval	Available from the Rayson technical team on request.
Film / thickness	Applied to the required thickness for the repair or bonding task.
Pack sizes	Part A 4 or 8 kg / Part B 2 or 4 kg per set
Storage	Minimum 12 months at 5–30 °C in unopened original packaging; protect from direct sunlight.
Shelf life	Approximately 12 months unopened; sunlight exposure reduces shelf life.

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

Crack and joint repair before coating

1. Mechanically prepare the repair area and vacuum clean
2. Work Rayson PatchBond TX80 well into the substrate and fill flush
3. Overcoat with the specified Rayson floor system once cured

Vertical bonding of fixtures

1. Prepare both bonding faces and apply Rayson PatchBond TX80 at up to 5 mm thickness
2. Position the element and prop for at least 12 hours

9. LIMITATIONS

- Minimum substrate temperature 10 °C; curing between +10 °C and +30 °C
- Layer thickness when bonding vertical metal profiles must not exceed 5 mm
- Bonded vertical elements must be propped for at least 12 hours
- Substrate may be mat-damp but must have no standing water

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.

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Product page:
<https://raysonpaint.sg/products/patchbond-tx80/>