RAYSON
HIGH PERFORMANCE COATINGS

TECHNICAL DATA SHEET

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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

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

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

5. SYSTEM ROLE

standalone.

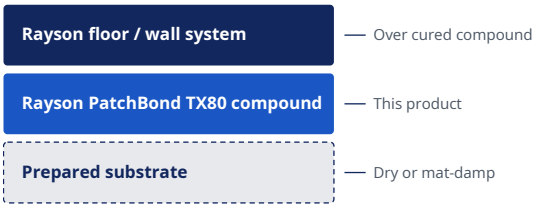

Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	[object Object]
Mixing / dilution	[object Object]
Application method	Spatula, Trowel or notched trowel, Gloved hand application
Coverage	[object Object]
Application conditions	[object Object]
Drying & curing	Available from the Rayson technical team on request.
Recoat interval	[object Object]
Film / thickness	[object Object]
Pack sizes	[object Object]

Storage	[object Object]
Shelf life	[object Object]

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

[object Object]

RAYSON HIGH PERFORMANCE COATINGS

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Product page:
https://rayson.sparcoasia.com/products/patchbond-tx80/