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1. PRODUCT DESCRIPTION

Rayson PrimeBond E25 is a two-component, medium-viscosity, solvent-free epoxy bonding primer for dry or damp substrates — formulated to wet out and anchor to highly absorbent concrete, screed, asphalt and prepared metal.

PrimeBond E25 pairs a milky epoxy resin with an amber-brown hardener into a medium-viscosity, solvent-free primer built for absorbency: on thirsty concrete and screed it soaks in and seals the surface rather than sitting on top, giving the floor system above it the grip it depends on.

2. RECOMMENDED USES

- Priming highly absorbent concrete and cementitious screeds
- Priming new and existing concrete before Rayson floor systems
- Priming sound existing epoxy flooring before recoating
- Priming asphalt surfaces before compatible overlays
- Priming mechanically prepared metal
- Priming in enclosed or unventilated areas where solvent primers cannot be used

4. KEY PROPERTIES

- Solvent-free — usable in unventilated and enclosed areas
- Especially suited to highly absorbent substrates
- Applies to dry or damp surfaces
- Excellent adhesion to mechanically prepared surfaces — bond strength exceeds concrete cohesion
- low odour

3. SUITABLE SUBSTRATES

- New and existing concrete (minimum 28 days old, moisture content below 5%)
- Cementitious screeds, including highly absorbent substrates
- Sound existing epoxy flooring
- Asphalt
- Mechanically prepared metal

5. SYSTEM ROLE

primer.

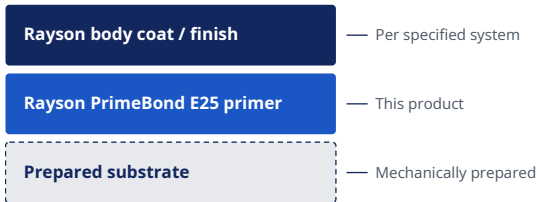


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	[object Object]
Mixing / dilution	[object Object]
Application method	Roller, Brush, Airless spray
Coverage	[object Object]
Application conditions	[object Object]
Drying & curing	[object Object]
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

Standard primed floor system

1. Mechanically prepare and vacuum the substrate
2. Prime with Rayson PrimeBond E25
3. Apply the specified Rayson body coat or finish

Absorbent-substrate system

1. Mechanically prepare porous concrete or screed
2. Prime with Rayson PrimeBond E25 to seal and bind the surface
3. Overcoat with the specified Rayson floor system

9. LIMITATIONS

- Minimum substrate temperature 5 °C; mix and cure between +10 °C and +35 °C
- Substrate moisture content must not exceed 5% — damp is acceptable, standing water is not
- Prepared substrate must reach at least 1.5 N/mm² pull-off strength
- Mixed material must be used within its pot life; cures faster in hot weather and in large batches
- Not a wearing surface — must be overcoated with a Rayson body coat or finish

10. HEALTH & SAFETY

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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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