RAYSON
HIGH PERFORMANCE COATINGS

TECHNICAL DATA SHEET

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1. PRODUCT DESCRIPTION

Rayson PrimeBond E20 is a two-component, medium-viscosity, solvent-free epoxy bonding primer that anchors resin floor systems to concrete, screed, asphalt and prepared metal — on dry or damp substrates.

PrimeBond E20 is the workhorse primer of the Rayson range. A medium-viscosity, solvent-free two-component epoxy, it penetrates mechanically prepared substrates and forms the adhesion bridge that the rest of the floor system depends on. In pull-off testing on properly prepared concrete, bond strength exceeds the cohesive strength of the concrete itself — failure occurs in the substrate, not the primer.

2. RECOMMENDED USES

- Priming new and existing concrete before Rayson floor coatings
- Priming cementitious screeds, including highly absorbent substrates
- Priming over sound existing epoxy flooring before recoating
- Priming asphalt surfaces before compatible overlays
- Priming mechanically prepared metal surfaces

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

4. KEY PROPERTIES

- Solvent-free — usable in unventilated and enclosed areas
- Applies to dry or damp surfaces
- Excellent adhesion to mechanically prepared substrates — bond strength exceeds concrete cohesion
- Compatible base for Rayson epoxy and polyurethane floor systems
- low odour

5. SYSTEM ROLE

primer.

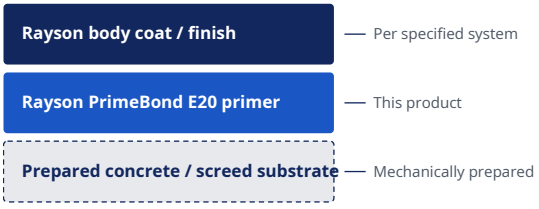

Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

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 epoxy floor system

1. Mechanically prepare and vacuum the substrate
2. Prime with Rayson PrimeBond E20
3. Apply Rayson LevelShield SL120 self-levelling body coat

Repair-then-coat system

1. Prime with Rayson PrimeBond E20
2. Reinstate defects with Rayson MortarBond EM90 epoxy mortar
3. Overcoat with the specified Rayson floor finish

9. LIMITATIONS

- Minimum substrate temperature 5 °C; curing between +10 °C and +35 °C
- Substrate moisture content must not exceed 5% — damp is acceptable, standing water is not
- 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

[object Object]

RAYSON HIGH PERFORMANCE COATINGS

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Product page:
https://rayson.sparcoasia.com/products/primebond-e20/