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1. PRODUCT DESCRIPTION

Rayson LevelShield SL120 is a solvent-free, two-component, self-smoothing epoxy floor system that delivers a seamless wearing surface with medium to heavy chemical resistance and high mechanical strength.

LevelShield SL120 flows out under trowel, notched rake or roller into a seamless, self-smoothed wearing surface — the standard answer where roller-applied coatings are not enough and a level, joint-free floor is required. Solids content is 100% in both parts, so what goes down is what cures.

2. RECOMMENDED USES

- Areas requiring resistance to mechanical loading and abrasion
- Pharmaceutical facilities and clean rooms
- Warehouses, storage areas and loading bays
- Assembly halls, plant rooms and garages
- Production areas and maintenance workshops

4. KEY PROPERTIES

- 100% solids, solvent-free — install in enclosed areas without solvent odour
- Self-smoothing application gives a seamless, level wearing surface
- Medium to heavy chemical resistance with high compressive and abrasion performance
- Durable, easy-to-clean finish with excellent impact resistance
- chemical resistance
- abrasion resistance
- hygiene
- low odour

6. TECHNICAL DATA

Surface preparation	[object Object]
Mixing / dilution	[object Object]
Application method	Steel trowel, Notched rake, Squeegee and roller, Spike roller to de-aerate
Coverage	[object Object]
Application conditions	[object Object]
Drying & curing	[object Object]
Recoat interval	[object Object]

3. SUITABLE SUBSTRATES

- Mechanically prepared concrete (minimum 28 days old, moisture content below 5%)
- Substrate pull-off strength above 1.5 N/mm² after preparation

5. SYSTEM ROLE

body coat.

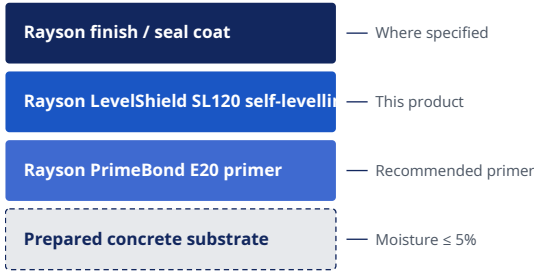


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

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

Self-levelling production floor

1. Mechanically prepare the slab and repair defects with Rayson PatchBond TX80
2. Prime with Rayson PrimeBond E20
3. Apply Rayson LevelShield SL120 self-smoothing wearing coat and spike-roll to de-aerate

9. LIMITATIONS

- Minimum substrate temperature 5 °C; curing between +10 °C and +35 °C; concrete moisture content maximum 5%
- Short pot life (about 20 minutes at 28 °C) demands organised batching and placement
- Cure and overcoat times are approximate and shift with ambient and substrate conditions
- Epoxy chemistry — not colour-stable under exterior UV exposure

10. HEALTH & SAFETY

[object Object]

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://rayson.sparcoasia.com/products/levelshield-sl120/>