

Document	RY-TDS-706
Revision	Rev. 1.0
Issue date	July 2026
Status	Issued

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1. PRODUCT DESCRIPTION

Rayson UraForce WB52 is a two-component, water-based aliphatic urethane floor topcoat — low-VOC, low-odour and UV-resistant — that can be combined with broadcast aggregate for an anti-slip finish.

UraForce WB52 is the finish coat of the Rayson water-based floor system. The two-component aliphatic urethane cures to a high-strength film with excellent abrasion resistance, low dirt pick-up, pencil hardness above H and gloss of 85 at 60° in the gloss grade — while staying low-VOC and low-odour for occupied buildings.

2. RECOMMENDED USES

- UV-resistant topcoat for concrete floors
- Topcoat finishes on hard surfaces such as stone and limestone
- Hygienic coatings for walls and floors
- Anti-slip walkway and ramp systems with broadcast aggregate

4. KEY PROPERTIES

- Low VOC and low odour — occupied-building friendly
- Excellent abrasion and staining resistance (Class 5, preliminary testing)
- Non-yellowing with 1,000 h QUV weathering performance (preliminary testing)
- Fast trafficable time supports overnight programmes
- uv stability
- abrasion resistance
- low odour
- anti slip
- fast return to service
- hygiene

6. TECHNICAL DATA

Surface preparation	[object Object]
Mixing / dilution	[object Object]
Application method	Short-bristled brush, Roller
Coverage	Available from the Rayson technical team on request.
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%)
- Mineral substrates
- Stone and limestone
- Walls and floors

5. SYSTEM ROLE

finish.

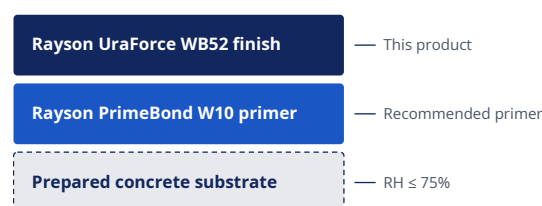


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

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

Low-odour floor system

1. Prime with Rayson PrimeBond W10
2. Apply minimum 2 coats of Rayson UraForce WB52

Anti-slip system

1. Prime with Rayson PrimeBond W10 and broadcast fine aggregate into the wet primer
2. Sweep off excess after drying and seal with minimum 2 coats of Rayson UraForce WB52

9. LIMITATIONS

- Minimum substrate temperature 5 °C; minimum mixing temperature 10 °C; minimum curing temperature 5 °C
- Mixed material must be used within its pot life; cures faster in hot weather and in large batches
- Performance data supported by laboratory testing
- Thin-film topcoat — apply minimum 2 coats over the primed system

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/uraforce-wb52/>