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1. PRODUCT DESCRIPTION

Rayson HydroShield WE45 is a two-component, water-based epoxy primer-and-topcoat system for concrete, screed, asphalt and metal — covering duties from warehouse floors to rubbish chute coatings.

HydroShield WE45 extends the water-based HydroShield seal-coat approach across a wider set of duties: warehouse flooring, production floors, car park decks and rubbish chute coatings. Like WE40, it is self-priming — the first coat primes, the following coats finish — so one product covers the whole build-up.

2. RECOMMENDED USES

- Coloured seal coats on cementitious screeds
- Warehouse flooring and production floors in normal to medium-heavy exposure
- Rubbish chute coatings
- Car park deck coatings
- Self-priming primer-and-topcoat systems on new and existing concrete

4. KEY PROPERTIES

- Self-priming primer-and-topcoat in one product
- Handles demanding details including rubbish chute coatings
- Water-based and suitable for unventilated areas
- Applies to dry or damp surfaces with excellent adhesion
- low odour

3. SUITABLE SUBSTRATES

- New and existing concrete (minimum 28 days old, moisture content below 5%)
- Cementitious screeds, including highly absorbent substrates
- Asphalt
- Metal (mechanically prepared)
- Dry or damp surfaces (no standing water)

5. SYSTEM ROLE

standalone.

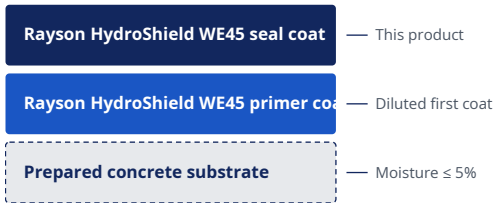


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	[object Object]
Mixing / dilution	[object Object]
Application method	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

Self-priming seal coat system

- 1. Mechanically prepare and vacuum the substrate
- 2. Apply a first coat of Rayson HydroShield WE45 as the primer
- 3. Apply a second coat of Rayson HydroShield WE45 as the coloured topcoat

9. LIMITATIONS

- Minimum substrate temperature 5 °C; curing between +10 °C and +35 °C; concrete moisture content maximum 5%
- Mixed material must be used within its pot life; cures faster in hot weather and in large batches
- A thin-film seal coat — not intended for heavy impact or thick-build duties
- Epoxy chemistry — will yellow and chalk under exterior UV exposure

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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Product page:
<https://rayson.sparcoasia.com/products/hydroshield-we45/>