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1. PRODUCT DESCRIPTION

Rayson PurScreed PC70 is a four-part, water-based polyurethane-cement self-smoothing screed installed at 1.5–3 mm for medium to heavy-duty industrial floors with high chemical resistance.

PurScreed PC70 combines four pre-weighed parts into a coloured, self-smoothing polyurethane-cement hybrid screed. Installed at 1.5–3 mm by steel trowel, it produces a floor with tough mechanical and chemical resistance for rough, high-traffic industrial service.

2. RECOMMENDED USES

- Medium to high loading self-smoothing screeds at 1.5–3 mm
- Food and beverage production and processing floors
- Chemical processing and wash-down areas
- Primer, base coat or wear coat within heavy-duty industrial flooring systems

4. KEY PROPERTIES

- Tough mechanical and chemical resistance for hard industrial service
- Bond strength to concrete exceeds the concrete itself
- Self-smoothing coloured screed at 1.5–3 mm in one operation
- Water-based four-part system supplied in pre-weighed units
- chemical resistance
- abrasion resistance
- hygiene

3. SUITABLE SUBSTRATES

- Mechanically prepared concrete (minimum 28 days old, moisture content below 5%)
- Highly absorbent substrates
- 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.

6. TECHNICAL DATA

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

Heavy-duty F&B production floor

1. Mechanically prepare the slab, repair defects and detail drains and coves
2. Apply Rayson PurScreed PC70 as a self-smoothing screed at 1.5–3 mm by steel trowel

Layered heavy-traffic build-up

1. Apply Rayson PurScreed PC70 as the base coat
2. Finish with a further wear coat of Rayson PurScreed PC70 matched to the traffic

9. LIMITATIONS

- Minimum substrate temperature 5 °C; curing between +10 °C and +35 °C; concrete moisture content maximum 5%
- Short pot life (15–20 minutes at 30 °C); cures faster in hot weather — batching and placement must be continuous
- Standard colours light grey and green; other colours on request only
- Four-part mixing sequence must be followed exactly for a consistent screed

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.

RAYSON HIGH PERFORMANCE COATINGS

Singapore
Tel / WhatsApp: +65 9821 9129
samuelpacx@hotmail.com

Product page:
<https://rayson.sparcoasia.com/products/purscreed-pc70/>