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Rayson GripSafe AP12

Rayson GripSafe · Anti-slip systems

1. PRODUCT DESCRIPTION

Rayson GripSafe AP12 is a one-pack, self-crosslinking acrylic primer filler loaded with 0.5–1.5 mm silicate quartz aggregate that builds an anti-slip texture directly onto concrete and asphalt.

GripSafe AP12 puts the anti-slip aggregate in the can. Instead of broadcasting loose grit into a wet primer, the 0.5–1.5 mm silicate quartz is factory-blended into a self-crosslinking acrylic binder — so every pass lays down a consistent, repeatable texture. It doubles as primer and filler, keying subsequent finish coats.

2. RECOMMENDED USES

- Pedestrian walkways and ramps
- Industrial floors requiring slip resistance
- Playgrounds, basketball courts and tennis courts
- Cycling pathways

4. KEY PROPERTIES

- Factory-blended 0.5–1.5 mm quartz gives consistent anti-slip texture
- One pack, ready to use — no broadcasting step
- Fast-drying with high abrasion and excellent water resistance
- Non-yellowing, interior and exterior; VOC under 50 g/litre
- Anti-slip
- Abrasion resistance
- UV stability

3. SUITABLE SUBSTRATES

- Grey concrete
- Asphalt surfaces
- Hard surfaces such as stone
- Unglazed tiles and pavers

5. SYSTEM ROLE

Primer.

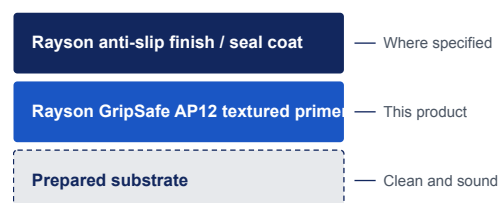


Figure 1 — Typical system build-up (top to bottom). Layer thicknesses are system-dependent; confirm the specification for your project.

6. TECHNICAL DATA

Surface preparation	Surface must be dry and clean — free of poorly adhered old coatings, loose particles, dust, grease, oil, wax and biological growth. Fill and level defective or cracked areas with a suitable filler, allow to dry, sand level and remove dust before coating.
Mixing / dilution	Single component, ready to use; condition material to 15–25 °C before use
Application method	Trowel or squeegee, Brush for stripe-coating edges
Coverage	Theoretical 5–8 m ² per litre, subject to substrate porosity and application conditions
Application conditions	Material temperature 15–25 °C; ambient and surface temperature above 10 °C and at least 5 °C above the dew point.
Drying & curing	Touch dry 30–60 minutes at 25 °C; recoat after 2–4 hours; full cure 1 day
Recoat interval	Approximately 2–4 hours.
Film / thickness	Textured filler coat; profile set by application.

Pack sizes	22 L plastic pail
Storage	Keep away from direct sunlight in a sheltered area.
Shelf life	Approximately 12 months unopened.

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

Anti-slip walkway or ramp

1. Clean, repair and level the surface; stripe-coat edges by brush
2. Apply Rayson GripSafe AP12 across the area; overcoat dull patches with a further coat
3. Finish with Rayson UraForce HY15 or CourtFlex AC25 in the selected colour

9. LIMITATIONS

- Ambient and surface temperature above 10 °C, and at least 5 °C above the dew point
- Surface must be dry, clean and free of loose paint, dust, grease, oil, wax and biological growth
- Neutral colour only — pair with a coloured finish coat where colour is required
- Texture grade is fixed by the factory aggregate blend

10. HEALTH & SAFETY

Low-odour water-based product. Wear gloves and eye protection; ensure reasonable ventilation. Avoid skin and eye contact. Keep out of reach of children. Consult the Safety Data Sheet (in preparation) before use.

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://raysonpaint.sg/products/gripsafe-ap12/>