ANTI-SLIP SYSTEMS

GripSafe AC620-W

ONE-PACK SELF-CROSSLINKING ACRYLIC PRIMER FILLER

Rayson GripSafe AC620-W 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.

The aggregate is factory-blended into the acrylic binder, giving a consistent, repeatable texture while the product doubles as primer and filler for subsequent finish coats.

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



Illustration — single pack. Pack size: see this data sheet.

MIX	COVERAGE	TOUCH DRY	RECOAT	PACK SIZE
Ready to use	5–8 m²/L	30–60 min	2–4 h	20 L
single component	theoretical	at 25 °C	at 25 °C	plastic pail

01 RECOMMENDED USES

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

02 SUITABLE SUBSTRATES

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

03 SYSTEM ROLE



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

Technical data & application controls

Control the substrate, mix, application conditions and cure before handover.

SOURCE TECHNICAL DATA

SURFACE PREPARATION	Surface must be dry and clean; remove poorly adhered coatings, loose particles, dust, grease, oil, wax and biological growth. Fill, level, dry, sand and remove dust.
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 m² per litre, subject to porosity and application conditions.
APPLICATION CONDITIONS	Material 15–25 °C; ambient and surface above 10 °C and at least 5 °C above dew point.

CONDITIONS, PACKAGING & STORAGE

DRYING & CURING	Touch dry 30–60 minutes at 25 °C; recoat 2–4 hours; full cure 1 day.
RECOAT INTERVAL	Approximately 2–4 hours.
FILM / THICKNESS	Textured filler coat; profile set by application.
PACK SIZES	20 L plastic pail
STORAGE	Keep away from direct sunlight in a sheltered area.
SHELF LIFE	Approximately 12 months unopened.

04 APPLICATION WORKFLOW

1. **Inspect** — Assess substrate and conditions
2. **Prepare** — Mechanical preparation and repairs
3. **Mix** — Full packs at correct ratio
4. **Apply** — Within application conditions
5. **Recoat** — Within the system window
6. **Cure** — Before return to service

Figure 2 — Application workflow. Each stage is a hold point: confirm the previous stage is complete and within specification before proceeding.

Specify, apply and verify the system

05 RECOMMENDED SYSTEM

Anti-slip walkway or ramp

1. Clean, repair and level the surface; stripe-coat edges by brush
2. Apply Rayson GripSafe AC620-W; overcoat dull patches with a further coat
3. Finish with Rayson TopShield PU445-W or TopShield AC450-W in the selected colour

06 LIMITATIONS

- Ambient and surface temperature above 10 °C and at least 5 °C above 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 where colour is required
- Texture grade is fixed by the factory aggregate blend

07 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.

RAYSON HIGH PERFORMANCE COATINGS
Veritas Nova Private Limited · UEN 202650473C
Singapore
Tel / WhatsApp: +65 9821 9129
support@raysonpaint.com.sg
raysonpaint.com.sg/products/gripsafe-ac620/