PRIMERS & BONDING COATS

PrimeBond AC130-W

WATER-BASED ACRYLIC PRIMER

Rayson PrimeBond AC130-W is a one-component, water-based acrylic primer, sealer and bonding agent for smooth concrete and mineral substrates, applied ahead of Rayson TopShield water-based polyurethane top coats.

PrimeBond AC130-W is the low-odour entry point to Rayson floor systems. Supplied ready to use in a single pack, it needs no weighing or ratio mixing — stir for two minutes and apply by brush or roller. It seals smooth concrete and mineral substrates and provides the bond for Rayson water-based urethane topcoats.

KEY PROPERTIES

- Low VOC and low odour — suited to occupied buildings
- Single component, ready to use — no mix-ratio errors on site
- Fast surface dry keeps overnight programmes moving
- Accepts broadcast aggregate for anti-slip systems
- Low odour



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

MIX	COVERAGE	SURFACE DRY	CURING	PACK SIZE
Ready to use	5–10 m²/L	~1 hour	Min. 5 °C	20 L pail
single component	depending on substrate	at 28 °C	see conditions	single pack

01 RECOMMENDED USES

- Priming and bonding on smooth concrete and mineral substrates
- Base coat for Rayson TopShield PU440-W water-based urethane systems
- Receiving broadcast aggregate for anti-slip system build-ups

02 SUITABLE SUBSTRATES

- Smooth concrete (minimum 28 days old, moisture content below 5%)
- Mineral substrates, mechanically prepared and vacuumed

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	New concrete should be at least 28 days old with moisture content below 5%. Remove laitance and loose material; mechanically prepare damaged concrete to expose aggregate. On existing concrete, prefer mechanical preparation followed by industrial vacuuming; degrease oil and grease. The substrate is sufficiently dry when surface relative humidity is 75% or lower.
MIXING / DILUTION	One pre-weighed component; stir well for 2 minutes with a mixing paddle before use
APPLICATION METHOD	Short-bristled brush, Roller
COVERAGE	5–10 m² per litre depending on substrate condition
APPLICATION CONDITIONS	Minimum substrate temperature 5 °C; minimum mixing temperature 10 °C; minimum curing temperature 5 °C; keep floor dew point within 3 °C of atmospheric temperature.

CONDITIONS, PACKAGING & STORAGE

DRYING & CURING	Surface dry approximately 1 hour at 28 °C
RECOAT INTERVAL	Available from the Rayson technical team on request.
FILM / THICKNESS	Penetrating primer; consumption governs film.
PACK SIZES	20 L plastic pail
STORAGE	Store under cover in dry conditions, protected from temperature extremes.
SHELF LIFE	Approximately 12 months unopened, subject to storage conditions.

04 APPLICATION WORKFLOW

1. **Inspect** — Assess substrate and conditions
2. **Prepare** — Mechanical preparation and repairs
3. **Mix** — Stir single pack for 2 minutes
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

Low-odour floor system for occupied buildings

1. Prime with Rayson PrimeBond AC130-W
2. Apply minimum 2 coats of Rayson TopShield PU440-W water-based urethane topcoat

Anti-slip walkway system

1. Prime with Rayson PrimeBond AC130-W and broadcast fine aggregate into the wet film
2. Sweep off excess after drying and seal with Rayson TopShield PU440-W

06 LIMITATIONS

- Minimum substrate temperature 5 °C; minimum mixing temperature 10 °C; minimum curing temperature 5 °C
- New concrete must be at least 28 days old with moisture content below 5%
- Performance data supported by laboratory testing
- Not a wearing surface — must be overcoated with a compatible topcoat

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.

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