

WATERPROOFING PRIMERS

SealForce AP05

ONE-PART WATER-BASED ACRYLIC PRIMER FOR SEALFORCE AC10

Rayson SealForce AP05 is a one-part, water-based acrylic primer for the SealForce waterproofing range, brushed or rolled onto concrete, render, brick, stone and roof tiles. It seals pores, binds surface dust and firms weak surface layers, then dries clear, giving SealForce AC10 a firm, pore-free surface to bond to.

KEY PROPERTIES

- One-part and water-based — brush or roller, straight from the pail
- Improves the bond of SealForce AC10 to the substrate
- Seals pores so the membrane cures without bubbles or pinholes
- Binds surface dust and firms weak surface layers
- Milky white when applied, clear when dry and ready to coat



MIX	COVERAGE	OVERCOAT	COATS	PACK SIZE
Ready to use	0.15–0.3 kg/m²	≥ 1 h	1 – 2	20 kg
one part	per coat	once dried clear	two if very porous	pail

02 RECOMMENDED USES

- Primer for absorbent concrete, render, brick, stone and tiles before SealForce AC10
- Bonding primer on smooth, dense concrete finishes
- Binding surface dust and firming weak surface layers before the membrane
- Sealing pores in rough concrete so the membrane cures without bubbles or pinholes

03 SUITABLE SUBSTRATES

- Concrete and render: sound, pull-off at least 1.5 N/mm², at least 28 days old
- Brick and stone with sound, flush-pointed mortar joints
- Unglazed ceramic tiles and clay roof tiles, securely fixed
- Power-washed or vacuumed free of dust, and dry: moisture at most 5%

05 SYSTEM ROLE

RAYSON SEALFORCE AC10 — MEMBRANE COATS	Two or three coats, per system
RAYSON SEALFORCE AP05 — PRIMER	0.15–0.3 kg/m ² , dries clear
PREPARED CONCRETE, MASONRY OR TILE	Sound, clean, dry

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, the weather, the absorbency and the drying before the membrane goes on.

SOURCE TECHNICAL DATA

SURFACE PREPARATION	Sound, clean and dry, with no standing water, dust, oil, laitance or loose material; vacuum or power-wash. Concrete at least 28 days old, pull-off at least 1.5 N/mm ² , mechanically prepared; repair with Rayson PatchBond TX80 and let it cure. Masonry with sound, flush joints; tiles fixed, broken ones replaced, power-washed and dried.
MIXING / DILUTION	One part, ready to use — stir for about 2 minutes with a slow paddle until uniform, without whipping in air.
APPLICATION METHOD	Brush or roller.
COVERAGE	Approximately 0.15–0.3 kg/m ² per coat, depending on absorbency. A 20 kg pail primes about 65–130 m ² per coat. A small test area sets the rate for each surface.
APPLICATION CONDITIONS	Air and substrate +10 °C to +35 °C; relative humidity at most 75%; at least 3 °C above the dew point. Substrate moisture at most 5% by weight, no standing water, no rising moisture.

CONDITIONS, PACKAGING & STORAGE

DRYING	Dry when the milky white has turned clear: at least 1 hour, longer when cool or humid. Protect from rain until dry.
OVERCOATING	Apply SealForce AC10 within 24 hours of priming; clean the surface first if longer.
COATS / FILM	One coat; a second on very porous surfaces once the first has dried clear. Clear, penetrating film.
PACK SIZE	20 kg pail.
STORAGE	Original sealed packaging, dry, away from direct sunlight and frost.
SHELF LIFE	Approximately 12 months unopened, in original packaging.
COMPATIBILITY	For SealForce AC10. SealForce WB20 needs no primer; RC40, RC30, SP200 and SP210 take the primers in their own data sheets. Metal takes an anti-corrosion primer.

07 APPLICATION WORKFLOW

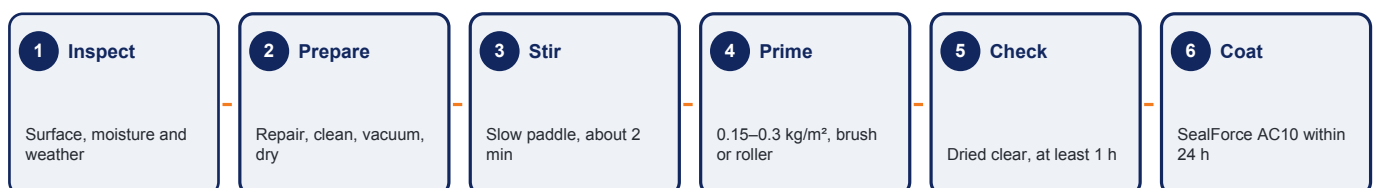


Figure 2 — Application workflow. Each stage is a hold point: confirm the previous stage is complete and within specification before proceeding.

Specify, apply and verify the system

SITE VERIFICATION

Cover the primer with SealForce AC10 once it has dried clear, at least 1 hour and within 24 hours. SealForce AP05 is a primer, not a waterproofing layer, and must not be left exposed.

08 RECOMMENDED SYSTEM

Concrete or render, before AC10

- 1 Prepare mechanically; repair with Rayson PatchBond TX80 and let it cure
- 2 Vacuum all dust; the surface must be dry
- 3 Apply Rayson SealForce AP05 at about 0.15–0.3 kg/m²; two coats if very porous
- 4 Once dried clear, at least 1 h and within 24 h, apply SealForce AC10

Old tiles, brick or stone, before AC10

- 1 Fix loose tiles or units, replace broken ones and point open joints
- 2 Power-wash the surface and allow it to dry
- 3 Apply one coat of Rayson SealForce AP05 at about 0.15–0.3 kg/m²
- 4 Once dried clear, apply SealForce AC10 in two coats

09 LIMITATIONS

- A primer, not a waterproofing layer: always cover it with SealForce AC10
- Apply between +10 °C and +35 °C, at no more than 75% relative humidity and at least 3 °C above the dew point
- Substrate moisture at most 5% by weight; no standing water and no rising moisture
- Protect from rain until dry
- Not for use under SealForce RC40, RC30, SP200 or SP210, which take the primers named in their own data sheets
- Metal takes an anti-corrosion primer; confirm adhesion with a trial on glazed tiles and other dense surfaces

10 HEALTH & SAFETY

Water-based product. Wear gloves and eye protection; ensure reasonable ventilation. Avoid skin and eye contact; clean tools with water while wet. 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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