

PRODUCT / WATER-BASED ACRYLIC LATEX

CR210 Paintable Acrylic Sealant

Water-based, low-odor acrylic latex sealant for clean, paint-ready interior finishing.

TECHNOLOGY Water-based acrylic latex	PRIMARY USE Interior filling and paint-ready finishing
FINISH Paintable after sufficient drying	PACKAGE 300 mL / 600 mL sizes



CR210 ProSeal 7 cartridge

Product description

CR210 is a one-component, water-based, low-odor acrylic latex sealant designed for clean, paint-ready interior filling and finishing around joints, cracks, gaps, frames, trim and plasterboard work. It forms a firm seal by evaporation of water and allows uncured residue to be cleaned with water.

Key benefits

Paint-ready interior finish

Forms a firm seal that can be overpainted after sufficient drying, helping create a continuous decorative finish around interior joints, frames and trim.

Low-odor interior work

Low-odor positioning supports more comfortable interior filling and finishing around joints, cracks, gaps and trim.

Water clean-up and controlled application

Uncured residue can be removed with water, while the recorded 0 mm vertical sag, no horizontal deformation and 300 mL/min extrusion result support steady bead placement and efficient application with the tested setup.

Recommended applications

Wall and ceiling gaps

Filling interior cracks and gaps in plaster, masonry and concrete, including wall-to-ceiling junctions.

Interior frames and trim

Sealing around interior door and window frames, skirting boards and decorative trim before painting.

Plasterboard finishing

Filling static joints, small gaps, nail holes and screw holes in interior plasterboard work.

Pipes and penetrations

Filling non-moving interior gaps around pipes and wall penetrations where a paintable finish is required.

Applications, substrates and joint selection

Typical application range

Wall and ceiling gaps

Filling interior cracks and gaps in plaster, masonry and concrete, including wall-to-ceiling junctions.

Interior frames and trim

Sealing around interior door and window frames, skirting boards and decorative trim before painting.

Plasterboard finishing

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Pipes and penetrations

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Substrate suitability

SUBSTRATE	SELECTION POSITION	PREPARATION / CHECK
Concrete, mortar and plaster	Typical porous interior construction surfaces	Use only when clean, sufficiently dry, sound and free from loose particles; complete a project trial.
Plasterboard	Static board joints, fastener holes and decorative gaps	Remove dust and friable material; confirm the intended finish on a small area.
Wood	Selected interior trim and frame gaps	A preliminary adhesion and paint-finish test is recommended.
Painted or coated surfaces	Selected sound interior finishes	Verify coating adhesion, sealant compatibility and overpaint finish before full application.
Glass and aluminum	The reported compatibility test covers common glass and aluminum	Do not generalize this result to every finish; test the actual project materials.
PVC and other non-porous surfaces	Not established as a general product claim	Complete adhesion and compatibility tests before use.
PE, PP and PTFE	Not recommended	Select a product specifically approved for the substrate.

Joint design

CR210 is intended for interior filling and finishing around joints, cracks and gaps. Joint geometry must be selected for the actual movement, substrate condition and service exposure; no numerical movement capability is declared.

- Maintain adhesion to the two opposing joint sides and avoid three-sided adhesion.
- Use a suitable non-adhesive backing material in deep joints where depth control is needed.
- Do not use CR210 as a substitute for a tested high-movement expansion-joint sealant.
- Confirm joint geometry, adjacent finishes and expected movement before application.

Use a specialist product when

Exterior weather-exposed or high-movement joints

Select a weather-resistant sealant with documented movement and exposure performance.

Continuously wet joints, permanent immersion or water pressure

Use a product specifically approved for that water exposure.

Structural bonding or structural glazing

Use an engineered structural system with project-specific approval.

Floor traffic, expansion joints or large dynamic joints

Use a product selected for the required movement and mechanical loading.

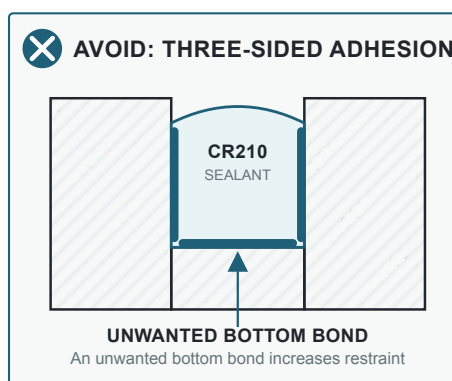
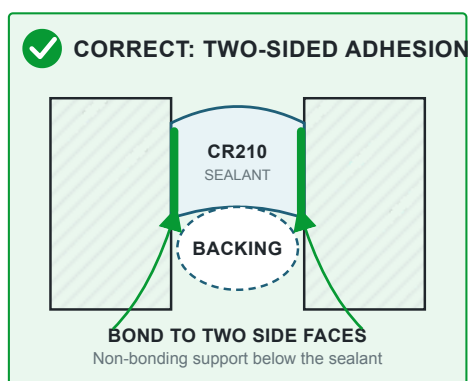


Figure 2.1 — Conceptual joint section: two-sided adhesion with non-adhering backing compared with three-sided adhesion. Not to scale; dimensions are project-specific.

Technical data and drying behavior

Test-basis statement

The supplied CR210 parameter table identifies JC/T 484-2006 as the test basis for the reported properties. The available record does not establish complete conformity, certification or classification.

Uncured and application properties

PROPERTY	RESULT	UNIT
Appearance	Uniform and fine paste; no bubbles, crusts or gels	—
Density	1.55	g/cm ³
Consistency	9.3	cm
Sagging degree — vertical	0	mm
Sagging degree — horizontal	No deformation	—
Tack-free time	1	h
Extrusion rate	300	mL/min

Dried and compatibility properties

PROPERTY	RESULT	UNIT
Compatibility — common glass and aluminum	0	—
Volume change rate	25	%
Shore A hardness	40	—
Elongation at break	120	%
Adhesiveness after tension-compression cycles	No damage	—

Drying mechanism

CR210 dries by evaporation of water. Drying time depends on joint dimensions, ambient temperature, relative humidity, air circulation and substrate absorbency.

Drying is extended by: Low temperature · High humidity · Thick application · Limited air circulation · Non-porous substrates

Tack-free is not full drying

The reported 1 h tack-free result is not a fixed full-drying time. Protect the fresh seal until it is sufficiently dry for the intended next step and service exposure.

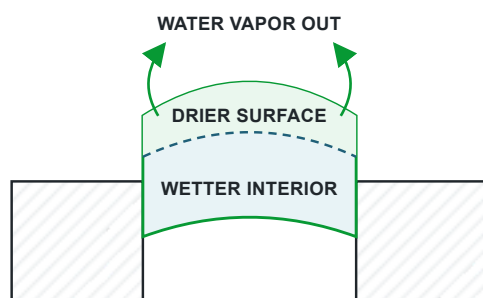
Paintability

CR210 can be overpainted after sufficient drying with many common water-based paints. Because paint formulations vary, test the actual coating before application. A rigid paint film may crack over a joint that moves, and drying shrinkage can affect the finish.

Selection notes

- Tack-free time describes surface condition and must not be treated as full drying or return-to-service time.
- Elongation at break is not a declared movement capability.

EVAPORATION-BASED DRYING



FACTORS THAT CAN SLOW DRYING

LOW
TEMPERATURE

HIGH
HUMIDITY

THICKER
APPLICATION

LOW
AIRFLOW

ALLOW SUFFICIENT DRYING

TEST THE ACTUAL
PAINT SYSTEM

Figure 3.1 — Water-evaporation drying and paintability sequence. Drying varies with joint size and site conditions; no fixed paint-over time is declared.

Application conditions and procedure

Application conditions

Apply only to sound, clean and sufficiently dry bond surfaces. Do not apply during rain or to frozen surfaces, and protect fresh material from rain and frost while it dries.

Surface preparation

Remove dust, oil, grease, loose particles and any material that may impair adhesion. Confirm that the substrate and existing coating are sound before applying the sealant.

Primer and compatibility guidance

No universal primer system is confirmed. Test adhesion on coated, non-porous, sensitive or unfamiliar substrates and contact VESTA when project-specific primer guidance is required.

Application procedure

01 Prepare the surfaces

Remove contamination and loose material; leave both bond faces sound and sufficiently dry.

03 Prepare the cartridge

Open the cartridge and cut the nozzle to suit the required bead width.

05 Tool the bead

Tool before surface skin formation to obtain the required contact and finish.

07 Clean while uncured

Remove uncured material with water; dried material normally requires mechanical removal.

02 Mask the edges

Apply masking tape where a controlled, clean edge is required.

04 Fill continuously

Apply sealant continuously and maintain contact with both joint sides.

06 Remove masking

Remove tape before surface skin formation without disturbing the bead.

08 Protect during drying

Keep the fresh seal free from rain, frost, contamination and premature service exposure.

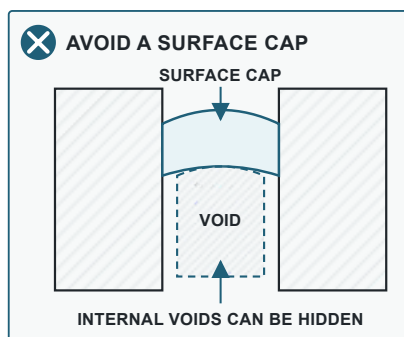
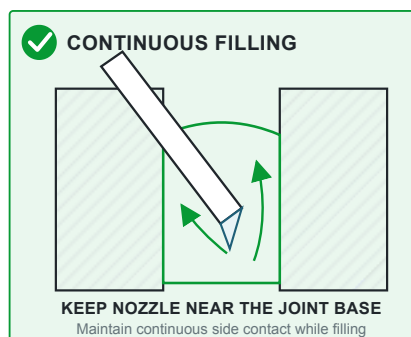


Figure 4.1 — Continuous filling from the joint base helps maintain contact with both joint sides and limit trapped voids.

Project checks

- Test adhesion on the actual substrate, coating and adjacent materials before full application.
- Confirm paint compatibility and appearance with the intended coating system.
- Carry out a staining test on natural stone and other sensitive finishes.
- Use a specialist product when exposure or movement exceeds the intended interior joint application.

Failure prevention

- Remove dust, friable material, oil, grease and residues before application.
- Avoid three-sided adhesion; use suitable backing material when depth control is required.
- Allow additional drying time in cool, humid, thick or poorly ventilated conditions.
- Do not paint or expose the joint prematurely; verify sufficient drying first.

Limitations, packaging and document control

Limitations

- Not suitable for permanent water immersion or joints subject to water pressure.
- Not suitable as the primary seal in continuously wet sanitary areas.
- Not suitable for aquariums, floor traffic joints, structural bonding or structural glazing.
- Not suitable for high-movement expansion joints.
- Not recommended for PE, PP or PTFE.
- Do not apply during rain or to frozen, wet, contaminated or unsound surfaces.
- Protect fresh sealant from rain and frost until sufficiently dried.
- Low temperature, high humidity and thick sections extend drying time.

Packaging, colors and storage

AVAILABLE SIZES, SHELF LIFE AND STORAGE

300 mL / 600 mL

Shelf life	18 months from the date of manufacture
Storage	Store in the original unopened packaging at +5°C to +25°C. Keep in a cool, dry and well-ventilated place. Protect from frost, direct sunlight and excessive heat.

STANDARD COLORS

White



Grey



Black



Health and safety

Before use, obtain and review the applicable CR210 Safety Data Sheet and product label. Avoid contact with eyes and prolonged contact with skin. Keep out of reach of children. Dispose of product and packaging in accordance with local regulations.

Manufacturer and contact information

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The information and recommendations in this Technical Data Sheet are based on the supplied technical record and practical guidance under controlled conditions. Actual performance may vary with substrate, joint design, environment and application method. Users must determine suitability for the intended use and complete preliminary compatibility and adhesion tests where necessary. Reported values are typical or test results and are not guaranteed limits unless specifically stated otherwise.