

CANZAC® | GROUP

Improving the performance of concrete worldwide®



SURFACE RETARDERS

AGGRA-X CONCRETE SURFACE RETARDER

EXPOSED AGGREGATE SURFACE RETARDER

CANZAC AGGRA-X is a spray-applied, water-based surface retarder that delays the setting of the surface mortar layer of freshly placed concrete. Once the underlying concrete has set sufficiently, the surface paste is washed away to reveal a decorative exposed aggregate finish.

PRODUCT SELECTION

AGGRA-X BLUE: for concrete under 20 MPa.

AGGRA-X GREEN: for concrete 20 MPa and above.

COVERAGE

Typical coverage: **5–8 m²/L**, approximately **100–160 m² per 20 litre bucket**. Coverage varies with concrete porosity, surface texture, application method and required exposure depth.

APPLICATION

Stir thoroughly for five minutes. Apply evenly using a low-pressure sprayer after bleed water has disappeared and before initial set. Avoid ponding and missed areas. Protect adjoining surfaces from overspray.

Regularly monitor the concrete set. Wash off when the underlying concrete has set sufficiently while the surface mortar remains soft — typically **3–24 hours**, depending on conditions. A water blaster is preferred. As a guide, exposure depth should not exceed one third of the mean aggregate diameter.

PRODUCT HANDLING & STORAGE

Clean equipment immediately with water. Store tightly sealed in a cool, dry place, protected from frost and extreme heat. Typical shelf life: 12 months when stored correctly.

KEY FEATURES

- Ready to use; no dilution required
- Controlled aggregate exposure
- Simple spray application
- Colour marker dye to assist coverage
- Water-based formulation
- Water clean-up
- Attractive finish

APPLICATIONS

- Driveways
- Pathways
- Patios
- Residential decorative concrete
- Commercial decorative concrete
- Horizontal surfaces

IMPORTANT

Do not apply during rain, when rain is imminent, in freezing conditions or in the heat of the day. Ground temperature must be at least 10°C. Protect against dye staining. Wear suitable PPE and refer to the SDS.

See product label and technical information for full application instructions and precautions.

CODE	DESCRIPTION	UNIT
85014	CANZAC AGGRA-X BLUE - BELOW 20 MPa	20 LITRE BUCKET
85015	CANZAC AGGRA-X GREEN - 20 MPa AND ABOVE	20 LITRE BUCKET

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APPLICATION & TECHNICAL DATA

PREPARATION

- Place and finish concrete as per standard practice by screeding and lightly hand trowelling to the desired finish.
- Mix AGGRA-X thoroughly for five minutes.
- Ensure the surface is free of bleed water before application.
- Do not apply during rain or when rain is imminent.
- Do not apply in the heat of the day.
- Cover surfaces not being treated to protect them from overspray.

APPLICATION METHOD

1. Apply CANZAC AGGRA-X evenly using a low-pressure sprayer as soon as bleed water has disappeared, but before initial set.
2. Ensure full and consistent coverage across the slab.
3. Avoid ponding or missed areas.
4. Protect the treated surface from wind, sun and rain using plastic sheeting if required.

EXPOSURE PROCESS

- Allow the concrete to set sufficiently — typically 3-24 hours, depending on conditions.
- Regularly check the progress of the set by applying pressure to the surface with your fingers and moving them until you can no longer feel movement of the underlying concrete, while the surface mortar remains soft to touch. Wear appropriate gloves.
- Remove surface mortar using a hose, a water blaster (preferred), or a stiff broom and water.
- Wash until the desired aggregate exposure is achieved.

As a general rule, the depth of the etch should not exceed one third of the mean aggregate diameter.

TECHNICAL DATA

PROPERTY	VALUE
Appearance	Liquid — blue or green, depending on grade
Base	Water-based
Application method	Spray
Coverage	5–8 m²/L
Setting delay	Controlled surface retardation
Clean-up	Water
Packaging	20 litre buckets