

DATA SHEET

PRODUCT NAME

AquaCoatz™

MANUFACTURER

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PRODUCT DESCRIPTION

AquaCoatz™ is a new generation, 100% reactive, waterborne silane-siloxane sealer.

This clear, penetrating, breathable water repellent is ideal for use on interior and exterior, above grade concrete. **AquaCoatz™** penetrates the surface and chemically bonds directly with the substrate which results in a surface that is highly resistant to both moisture and salt.

AquaCoatz™ unique, odorless, VOC compliant formulation offers permanent, invisible, non-yellowing protection. **AquaCoatz™** accelerated chemical reaction with the natural minerals in the substrate produces a stable and predictable hydrophobic surface within seven to ten days after application.

AquaCoatz™ is available in two concentrations. Regular **AquaCoatz™** is ideal for normal duty, cast-in-place concrete with moderate exposure to salt and/or water. Basic Use: **AquaCoatz™** effectively protects buildings, parking decks and virtually all concrete surfaces. It offers positive salt screening in northern, as well as southern climates. **AquaCoatz™** non-flammable, non-volatile formula minimizes corrosion of reinforcing steel and protects concrete from the damaging effects of deicer chemicals, road salts, and other chemicals.

AquaCoatz™ successful field and lab performance make it ideal for walkways, stairs, parking decks, garages, driveways, dams, piers, bus and truck terminals, precast and prestress concrete. Other uses include architectural concrete, concrete and brick pavers, and exposed aggregate surfaces.

USES

AquaCoatz™ offers positive salt screening.

AquaCoatz™ non-flammable, non-volatile formula minimizes corrosion of reinforcing steel and protects concrete from the damaging effects of deicer, road salts, and other chemicals. The performance of **AquaCoatz™** makes successful field and lab performance make it ideal for walkways, stairs, outside malls, building entrances, parking decks, garages, driveways, piers, bus and truck terminals, precast and prestress concrete. Other uses include architectural concrete, concrete and brick pavers, and exposed aggregate surfaces, concrete block, and porous masonry units.

ADVANTAGES

- For interior, exterior, above grade, cement-based products
- Provides long lasting hydrophobic protection
- Odorless/Low VOC
- Ready-to-use, non-flammable, non-volatile, waterborne formulation
- Environmentally safe
- Invisible, non-darkening
- Allows moisture to escape without compromising sealer
- Leaves surface breathable

SUITABLE SUBSTRATES

- Freshly Placed Concrete
- Existing Concrete
- Stucco
- Masonry Surfaces

PACKAGING

5 L
20 L
200 L

APPROXIMATE COVERAGE

Typical Coverage Rates (depending on texture and porosity):

- First coat, curing: 7.4-9.8 m²/L
- Second coat, sealing: 9.7-14.7 m²/L
- Stamped and Patterned Concrete: 7.4 m²/L
- Exposed aggregate: 4.9m²/L
- Brick: 2.4-3.1 m²/L
- Porous Surfaces: 3.1 – 4.3 m²/L

SHELF LIFE

AquaCoatz™ containers are to be kept tightly closed and stored in a dry, cool area. Shelf life is one year in factory sealed containers when properly stored.

LIMITATIONS

- Must be removed prior to installation of subsequent cementitious toppings or the application of chemical hardeners, silanes and siloxanes, urethane or epoxy coatings.
- May show tire marks when subjected to forklift on other rubber wheeled traffic
- Do not apply over standing water or over bituminous asphalt or resilient tiles
- Do not use over concrete containing reactive aggregate
- Do not use in areas that require resistance to solvents, such as gasoline, diesel fuel or paint thinners
- May highlight surface imperfections or cause discoloration in the final appearance of the concrete surface
- Do not apply in subfreezing weather unless properly protected
- Some discoloration may appear under the acrylic membrane and may be visible for some time due to the slow release of moisture in the concrete.

CAUTIONS

- Keep from freezing.
- Wear protective gloves and goggles.
- Avoid prolonged skin contact and absolutely no contact with all food stuff
- Please refer to the safety data sheet (SDS) for more detailed information.
- Do not apply if precipitation is expected within four hours, or if rain has preceded the application in the past 24 hours.
- Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system

TECHNICAL DATA

Applicable Standard

ASTM C 309, Type 1, 1D

ASTM C 1315, Type 1, Class A

Physical and Working Properties

Property	Observed
Color	Milky white liquid; dries clear
Surface Gloss	None
Dry Time at 70°C (20°C)	2-4 Hours
ASTM C672 Scaling Test	0 (no scaling)
Resistance to UV	Excellent
VOC	<10 g/L
NCHRP 244 Series II, Water	85%
NCHRP 244 Series II, Chloride	84%
Depth of Penetration	2-6 mm

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of Concord Sealers. Users shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. Concord Sealers shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

INSTALLATION

Surface preparation

Concrete must be structurally sound and clean of all dirt, laitance, contaminants, oil, existing coatings or membrane curing compounds before application. Caulking and sealant materials must cure adequately before applying AquaCoatz™

- **Freshly placed concrete**

Surface must be finished to specified requirements prior to the application of **AquaCoatz™**. Dampen the concrete and broom out all standing water immediately prior to application.

- **Existing Concrete**

Surface must be degreased and cleaned of all contaminants prior to the application of **AquaCoatz™**. Dampen the concrete and broom out all standing water immediately prior to application.

Application

- **Fresh Concrete**

Stir well before using. Apply with low pressure spray or applicator after surface water glaze disappears. Apply two uniform and thin coats directly from container. Do not dilute or puddle. Allow first coat to dry to touch before applying second coat.

- **Existing Concrete**

Apply two uniform coats of **AquaCoatz™** without puddling. Allow a minimum of 2-3 hours between coats. Very porous or worn concrete may require additional coats.

Cleaning

Clean up equipment and overspray immediately with soap and water. For dried residue, scrub with hot water and mild citric acid.

MAINTENANCE

Installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

WARRANTY

Contact Concord Sealers to discuss available warranties.

Phone: 07 5547 0052

Email: info@concordcoatings.com.au

Website: www.concordsealers.com.au

AVAILABILITY AND COST

Availability:

AquaCoatz™ is available Australia wide.

For Distribution information:

Phone: 07 5547 0052

Email: info@concordcoatings.com.au

Website: www.concordsealers.com.au