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CONCORD SEALERS

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DATA SHEET

AquaCoatz

New Generation, Micro-Emulsion,
Silane/Siloxane Water Repellents for Horizontal
Concrete Surfaces

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. High solids **AquaCoatz Plus** is for increased long-term protection on porous concrete, elevated structural concrete slabs, and on normal concrete with severe exposure to salt and 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.

FEATURES & BENEFITS

- Formulated to stop moisture and salt penetration.
- Odorless/VOC compliant formulation

- Ready-to-use, non-flammable, non-volatile, waterborne formulation.
- Environmentally safe.
- Invisible, non-darkening
- Breathable.

ESTIMATING

AquaCoatz is packaged in ready-to-use 1 gal. 5L, 20L, 200L and 1000L containers. Containers are identified with product name and batch code.

Coverage Rate:

Average rate is determined by surface porosity:

	m ² /L
Porous Surfaces	2.5-3.0
Broom Finish	2.5-3.5
Smooth Concrete	3.5-5.0

TECHNICAL DATA

Applicable Standards:

NCHRP 244
ASTM-E-514, ASTM-C-672
VOC Compliant

Physical Properties:

AquaCoatz, AquaCoatz+ PLUS

Color: Milky White Liquid, dries clear
Surface Gloss: None
Dry Time @ 70°F (20°C): 2-4 hours
ASTM C 672, Scaling Test
(0 rating="no scaling"): 0
Resistance to Ultraviolet Rays: Excellent
VOC Compliance (gms/Liter): <195

AquaCoatz AquaCoatz + PLUS

NCHRP 244 Series II, Water	
Absorption Reduction, % min	
84	85
NCHRP 244 Series II, Chloride	
Intrusion Reduction, % min	
84	90
Depth of Penetration (mm)	
(Depending upon substrate porosity)	
2-6	2-6

INSTALLATION

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**.

New Concrete: Apply non-residual curing compound, **Multicure AC90**, or water cure fresh concrete. Remove surface laitance and other contaminants.

Installation: Agitate or stir **AquaCoatz** before using to disperse active ingredients. **Do not dilute.** Apply **AquaCoatz** directly from sealed containers. For best results apply with low pressure sprayer with fan nozzle, roller or bristle broom. Apply in a single, uniform, saturating application. Broom out all puddles. On extremely porous substrates, two applications may be necessary. Apply the second application as soon as first coat wet on wet application.

Clean Up: Clean up equipment and over spray immediately with soap and water. For dried residue, scrub with hot water and mild citric acid.

FOR BEST RESULTS:

In approximately seven (7) days after application, surfaces treated with **AquaCoatz** or **AquaCoatz Plus** will develop full water repellent properties. **AquaCoatz** should not be applied if air, product, and/or surface temperature is below 40°F (4°C) or above 100°F (40°C). Do not apply if precipitation is expected within four hours, or if rain has preceded the application in the past 24 hours. **AquaCoatz** is not formulated for below grade waterproofing. Protect glass, shrubbery, and plant life from over spray. Not effective for some stone surfaces. Over application of **AquaCoatz** may cause a slight darkening of the surface. Do not apply in high winds. Do not dilute.

PRECAUTIONS

Keep from freezing. **AquaCoatz** can be made useless by freezing. Wear protective gloves and goggles. Avoid prolonged skin contact and absolutely no contact with all food stuffs. Please refer to the safety data sheet (SDS) for more detailed information.

STORAGE/SHELF LIFE

AquaCoatz containers are to be sealed and stored in a clean, dry area between 6-29°C. Keep from freezing. Shelf life is one year in unopened containers

TECHNICAL SERVICES

Concord Sealers recommends that the user request the service of the local representative for a pre-job conference to carefully plan each step of the installation. However, proper application is the responsibility of the user. Field visits by Concord Sealers personnel are for the purpose of making technical recommendations only and will not include supervision or provide quality control of application procedures or engineering details.

A) (Cast in place concrete with moderate exposure for salt and/or water.) VOC compliant, odorless, silane/siloxane blend. Surpasses NCHRP 244, Series II Test, reducing water and salt penetration by 84%. “**AquaCoatz**” by Concord Sealers. Five year warranty.

B) (Porous concrete surfaces or normal concrete with high or severe exposure to salt and/or water.) VOC compliant, odorless, silane/siloxane blend. Surpasses NCHRP 244, Series II Test, reducing water and salt penetration by 85%. “**AquaCoatz Plus**” by Concord Sealers Ten year warranty. Concord Sealers approved installer required.

LIMITED WARRANTY

Contact Concord Sealers for available five and ten year performance warranty, which requires the use of an approved Concord Sealers installer.

This product is warranted to be free of defects in material and workmanship, and conform to Concord Sealers Construction Chemicals quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond Concord Sealers control. User shall rely on his or her 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 his or her direct use, indirect use or consequential to their use of the product. Concord Sealers shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. Concord Sealers sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

For Professional Use Only.