



ARDEX CG Concrete Guard™ 2.0

High Performance, Waterborne, Acrylic Concrete Sealer

Seals and protects uncoated, absorbent concrete and masonry surfaces, including driveways, sidewalks, patios, courtyards, walkways, pool decks and most vertical concrete surfaces

Especially suited to seal ARDEX toppings

Gray version can be used to create a uniform appearance in repaired and adjacent areas

Easy to apply and quick drying

Non-flammable and UV stable

USDA / FSIS compliant

Creates a non-porous coating approved for incidental food contact

Performs well under daily thorough cleaning, wet conditions and cyclical temperature conditions

Exceeds ADA requirements

Durable and abrasion resistant

For exterior or interior use

Available in Clear or Gray

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High Performance, Waterborne, Acrylic Concrete Sealer

Suitable Substrates

- ARDEX toppings
- Other absorbent concrete and masonry surfaces (structurally sound)

Suitable Applications

- Interior or exterior (properly sloped to drain; not submerged)
- Foot and/or moderate rubber-wheeled traffic (not for heavy truck traffic or roadways)
- Light-to-moderate manufacturing
- For stain resistance, see last page of technical data sheet

Job Conditions

During installation and cure, substrate and ambient temperatures must be a minimum of 50°F / 10°C and a maximum of 90°F (32°C). When applying outdoors, do not proceed if rain, dew, fog or extremely high humidity is expected within 6 to 8 hours of application, or if freezing temperatures could occur within 24 hours.

Step 1: Moisture Evaluation and Testing

High concrete relative humidity (RH) levels can cause a cloudy appearance. For interior applications where aesthetic qualities are critical, concrete RH exceeding 75% must be mitigated.

Test concrete in accordance with ASTM F2170. If moisture control is required, install ARDEX MC RAPID in accordance with the technical data sheet.

Step 2: Substrate Preparation (Proper Prep™)

For full details on ARDEX Proper Prep, reference the following articles at ardexamericas.com/properprep:

- Article 1: Preparing Concrete for Bonded ARDEX Applications
- Proper Prep Brochure

Shot blasting, high-pressure (5,000 psi) power washing or other mechanical means must be used for Proper Prep. Sanding is not a sufficient means of cleaning or preparing concrete. Do not use acid etching, adhesive removers, solvents or sweeping compounds, as these are bond breakers.

Handle and dispose of asbestos and other hazardous materials in accordance with prevailing regulations, which supersede the recommendations in this document.

All substrates must be sound, solid and thoroughly clean of all bond-breaking contaminants, including but not limited to overwatered or otherwise loose or weak material, form release, sealers, oils and non-ARDEX patching and leveling materials. Substrates must be completely dry (no standing water) at the time of installation.

Tape or otherwise mask off areas that are not to be sealed.

Step 3: Mixing and Application

Recommended Tools

Nylon paintbrush • 3/8" nap paint roller, airless, HVLP or conventional spray equipment • mechanical mixing paddle • low speed drill

Mixing

Mix thoroughly with a mechanical mixing paddle and low speed drill just prior to use.

Roller Application

Do not pour directly onto the concrete surface. Pour into a paint tray, and apply to the surface with a 3/8" nap paint roller.

Spray Application

Use appropriate personal protection measures. After spraying, back rolling is recommended to prevent puddles.

Other Instructions

Sealer can be applied with a nylon paintbrush in hard to reach areas. Apply a minimum of 2 coats, allowing each coat to dry before applying subsequent coat (see "Drying Time" section below).

Step 4: Tool Cleanup

Use soap and water to clean tools and equipment. Once dried, the material can be removed from tools with a solvent, such as xylene.

Step 5: Drying Time

All dry times are calculated at 70°F (21°C). Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying.

Between coats / prior to applying sacrificial wax (see "Care and Maintenance" section below):	4 - 5 hours
Prior to light foot traffic:	24 hours
Prior to heavy foot traffic (malls, amusement parks, etc.) and rubber-wheeled traffic:	72 hours

Step 6: Care and Maintenance of ARDEX Surfaces

Note

Maintaining ARDEX Finished Surfaces and adherence to a strict maintenance schedule will help maximize its performance, appearance and slip resistance and will reduce the absorption of spilled liquids. Sealing the floor permits the floor to retain its aesthetic quality.

Prompt removal of liquids is critical in minimizing slip hazards as well as staining.

Sacrificial Wax

For interior applications, a sacrificial wax finish is recommended to extend service life and provide a wear surface that is easier to maintain. The wax should be installed and maintained in accordance with manufacturer recommendations.

Cleaners

Where mark removers, cleaners and degreasers will be used, they must be installed and used in accordance with the manufacturer's instructions. Utilize test areas of all selected cleaning agents prior to committing to complete surface area usage.

Routine Cleaning

The following recommendations pertain to areas where no sacrificial wax has been applied. On-site test areas should be done to ensure compatibility and selected aesthetic appearances prior to proceeding.

Recommended Cleaning Tools

Mechanical scrubbers (floor machines): Self-contained mechanical scrubbers are the most efficient and cost-effective method. Ensure that the abrasive pad does not mark the surface of the floor. A high-quality, functioning mechanical scrubber with a viable vacuum extraction system should be employed. After cleaning, all residual, standing water must be completely removed.

Spray cleaning / power washers: In most cases, power washing is combined with chemical cleaning. Hot water under pressure may be insufficient to emulsify oils and grease. Use a suitable chemical cleaner, and always follow the manufacturer's instructions.

Brooms, Squeegees and Mops: For routine floor maintenance, the use of a broom, squeegee or damp mop with water, only, will provide effective cleaning of superficial contaminants. Remove all residual, standing water from the surface of the floor.

Cleaning and Maintenance Schedule

When to clean your floors: How often you need to clean your floor depends on the type of contaminants to which the floor is exposed. Frequent cleaning is recommended for optimum performance. The harsher the environment, the more frequently you should clean your floors. Dust and dirt will dull and wear the finish if not removed on a regular basis. Chemical spills such as battery acids, phosphoric acids, dyes, iodine, etc., in many cases, may stain or damage the floor. We recommend cleaning chemical spills immediately.

Due to varying traffic frequency, timetables for the procedures herein must be adjusted to fit the needs of the space. Localized traffic patterns may require more frequent application of the above recommendations.

Daily Cleaning and Maintenance Procedure

Once fully cured, routinely **sweep, dry mop and wash** with neutral pH cleaners and water. Spot clean and dry areas of concentrated traffic as needed.

Do not use abrasive brushes or pads as part of a daily maintenance program. The use of mechanical cleaning devices, such as auto scrubbers and swing buffers with non-abrasive maintenance pads, may be employed as needed. All mechanical cleaning devices must have the ability to remove all residual ponding water and cleaning agents.

Do not use cleaners that are acidic or contain citrus (d limonene) or butyl compounds. The application of highly acidic cleaners may etch or stain the surface and reduce the floor's ability to resist water penetration. Prior to commencement of any maintenance, on-site test areas of the selected cleaner should be done to ensure compatibility.

Reapplication: For applications where a sacrificial wax layer has not been applied / maintained, it will be necessary to evaluate the sealer periodically to assess its ability to repel staining agents. Reapply as necessary and in accordance with this technical data sheet for optimum performance.

General Guidelines

Protecting the Floor from Construction Trades and Move-In

Please note that the installation of an ARDEX finished surface should be the last step in the construction process. Other trades should not be working in or around an ARDEX installation without proper protection of the ARDEX finished surface. Once the floor has fully cured, the newly installed ARDEX finished surface should be protected from spills, dirt and debris with a temporary, breathable floor protection, such as roll-out fiber board.

Additionally, if the floor will receive excessive traffic during move-in, protection from rolling carts, dollies, racks, gondolas, register wraps, etc. must be planned and implemented. Protection may include temporary "roving plywood" to prevent gouging and indentation of the completed floor installation. Where "roving plywood" is used, it should be removed daily.

Tape

Do not use tape (duct, masking, painters, blue, etc.) in direct contact with ARDEX floors, as it can damage the sealed surface upon removal. Spot taping overlapped breathable floor protection, such as roll-out fiber board, to itself is suitable for this temporary application.

Chair Pads

To avoid marring of the ARDEX finished surface, use felt pads on all chairs and furniture that will come into contact with the floor.

Walk-Off Mats

As with any floor covering, the use of a comprehensive walk-off mat system is highly recommended. A walk-off mat system will control most of the dirt and debris that would otherwise be tracked inside. A suitable walk-off mat system will have sufficient texture to remove dirt from foot and rubber wheeled traffic.

Moving Furniture and Equipment

As with any finished floor surface, dragging or sliding equipment or furniture may damage the surface. Where furniture or equipment cannot be lifted and carried or where felt furniture sliders or pads will not be used, a temporary, breathable floor protection, such as roll-out fiber board, must be placed over the floor. Rubber-wheeled carts or dollies may also be used.

Miscellaneous

Use a plate or other moisture-catching foundation beneath potted plants. Use a breathable pad underneath the plate to prevent trapped moisture from damaging the finish.

After the application has fully cured, use smooth-sided plastic mats below office chairs or other recurring, wheeled traffic. The constant abrasion of the wheels will scrape and damage the surface over time.

Notes

FOR PROFESSIONAL USE ONLY by licensed, bonded contractors who are trained in the application of this product and/or similar products. Not sold by ARDEX through home improvement centers. For information on ARDEX Academy trainings, visit ardexamericas.com.

In accordance with industry standards, and to determine the suitability of the products for the intended use, always install an adequate number of properly located test areas.

Never mix with cement or additives outside of ARDEX recommendations. Observe the basic rules of concrete work, including the minimum surface and air temperatures detailed above. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website.

Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

Stain Resistance

Substance	Non-Abraded ARDEX CG 2.0	Abraded ARDEX CG 2.0
Ammonia Solution (5%)	2	2
Chlorine Solution (10%)	2	2
Diesel Fuel	2	2
Gasoline	2	2
Heavy-Duty Detergent Solution	1	1
Hydraulic Fluids	3	3
Keroseneurpentine	2	2
Lubricating Oil	1	1
Muriatic Acid (10%)	1	1
Paint Thinner	1	1
Prestone Antifreeze Coolant	2	2
Salt Solution (20%)	1	1
Soap Solution (1%)	1	1
Sulfuric Acid (3%)	2	3
Sulfuric Acid (Concentrated)	2	3
Toluene	1	2
Transformer Oil	1	1
Turpentine	1	2

1=Unaffected

2=Superficial Effect

3=Considerable Effect

Effects are evaluated after 24 hours of exposure.

Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.ardexamericas.com.

Technical Data According to ARDEX Quality Standards

All data based on 70°F / 21°C. Physical properties are typical values and not specifications.

Coverage for Gray:	Over broom finish: 150 - 200 sq. ft. (14 - 18.5 sq. m) per gallon Over smooth finish: 200 - 400 sq. ft. (18.5 - 37 sq. m) per gallon Coverage will vary based on porosity as well as with subsequent coats.
Coverage for Clear:	Over broom finish: 200 - 300 sq. ft. (19 - 28 sq. m) per gallon Over smooth finish: 400 - 600 sq. ft. (37 - 65 sq. m) per gallon Coverage will vary based on porosity as well as with subsequent coats.
Drying Time:	See the "Drying Time" section above.
VOC:	95 g/L (Clear) and 97 g/L (Grey), per SCAQMD Method 304
Solids content:	40%
S.C.O.F (ASTM C1028):	Smooth surface profile: 0.6 - 0.7 Medium-to-coarse surface profile: 0.88 - .09
Cleanup:	Clean up with water when wet
USDA / FSIS:	Compliant
Color:	Gray or clear
Packaging:	1 gallon (3.78 L) Container
Storage:	Store in a cool, dry area. Do not leave units exposed to sun. Keep from heat. Do not freeze. Close container tightly when not in use.
Shelf Life:	1 year, if unopened and properly stored
Warranty:	6-month ARDEX L.P. Standard Limited Warranty applies. See ardexamericas.com/services/warranties for full warranty details.

Made in the USA.

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Visit www.youtube.com/ARDEX101 to watch ARDEX product demonstration videos. For recommended installation tools, visit DTA USA at www.dtausagroup.com. For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App.



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