



ARDEX CG Concrete Guard™

High-Performance, Waterborne Acrylic Concrete Sealer

High-performance, waterborne acrylic concrete sealer

Seals and protects uncoated, absorbent concrete and masonry surfaces

Easy to apply and quick drying

Nonflammable and UV stable

USDA/FDA compliant

Exceeds ADA requirements

Durable and abrasion resistant

For exterior or interior use

Available in Clear or Gray

**ARDEX Engineered Cements
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ARDEX CG Concrete Guard™

High-Performance, Waterborne Acrylic Concrete Sealer

Description and Usage

ARDEX CG Concrete Guard™ is a high-performance, high solids concrete sealer that is easy to apply, quick drying, nonflammable and UV stable. Applied at a minimum of two coats, ARDEX CG is designed to protect all interior and exterior absorbent concrete and masonry surfaces on residential and commercial applications, including driveways, sidewalks, patios, courtyards, walkways, pool decks and most vertical concrete surfaces. It is especially suited to seal ARDEX toppings, and the gray version can be used to create a uniform appearance over both a repaired area and the adjacent concrete or masonry surfaces.

ARDEX CG is durable and abrasion resistant. When applied properly, ARDEX CG creates a non-porous coating approved for incidental food contact that will perform well under a daily regimen of thorough cleaning as well as under cyclical temperature changes and wet conditions.

Substrate Preparation

All substrates must be structurally sound and solid. In order for the ARDEX CG to obtain a solid bond, the concrete or masonry surface must be clean and absorbent. Mechanically remove any form release, sealers or paints, dust, dirt, oils or any other contaminant that could act as a bond breaker by shot blasting or similar. All patching and leveling compounds, except for those approved by ARDEX, must be removed by mechanical means. High-pressure (5000 psi) power washing may also be used to remove dust, dirt and debris, though the concrete must then be allowed to dry thoroughly before proceeding. Overwatered, frozen or otherwise weak concrete surfaces must also be cleaned down to sound, solid concrete by mechanical methods. Acid etching, adhesive removers, solvents and sweeping compounds are not acceptable means of cleaning the substrate. The use of sanding equipment is not an effective method to remove curing and sealing compounds.

Please note that when removing existing flooring, any asbestos-containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.

For more detailed information on substrate preparation, please refer to the ARDEX Substrate Preparation Brochure at www.ardexamericas.com.

Recommended Tools

Nylon brush, 3/8" nap paint roller, or airless, HVLP or conventional spray equipment, mechanical mixing paddle and a low speed drill.

Mixing and Application

Due to the high percentage of solids, settling will occur during storage. For this reason, the contents of the container must be mixed thoroughly just prior to use to ensure a uniform consistency. For best results, mix with a mechanical mixing paddle and low speed drill.

Once the concrete surface is prepared as outlined above, thoroughly broom-sweep and vacuum the area to be sealed to remove any fine dust or dirt. Make sure the concrete is completely dry to avoid the possibility of performance issues and discoloration. Tape or otherwise mask off areas that are not to be sealed. A minimum of two coats should be applied, allowing 2 to 4 hours drying time (depending on ambient atmospheric conditions) before placing the second coat.

Pour the ARDEX CG into a paint tray, and apply the sealer to the surface with a 3/8" nap paint roller. Do not pour the sealer directly onto the concrete surface. When spraying ARDEX CG, back rolling is recommended to prevent puddles. Use appropriate personal protection measures when applying by airless, HVLP or other spray equipment. ARDEX CG can also be applied with a nylon paintbrush for hard to reach areas, such as along joints and in corners. Allow the first coat to dry for a minimum of 2 hours at 70°F (21°C) surface and air temperatures before applying the second coat. Allow ARDEX CG to dry 24 hours for foot traffic and 72 hours for heavy foot (malls, amusement parks, etc.) and rubber-wheeled traffic.

When applying ARDEX CG 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. Do not apply ARDEX CG if surface and air temperatures are under 50°F (10°C) or over 90°F (32°C). Cool ambient and surface temperatures will slow drying time. Install quickly if the substrate is warm, and follow warm weather instructions available from the ARDEX Technical Service Department.

Notes

FOR PROFESSIONAL USE ONLY.

ARDEX CG is intended for sealing and protecting interior and exterior concrete subject to foot and rubber-wheeled traffic. ARDEX CG is not intended for uses such as heavy manufacturing or areas with heavy truck traffic. Do not use in fountains, swimming pools or any areas that will be permanently submerged. Do not mix with cement or additives. Observe the basic rules of concrete work.

Always install an adequate number of properly located test areas to determine the suitability and aesthetic value of the products for the intended use.

When not in use, keep the container tightly sealed. Open, remix and reseal as necessary. Store the container at room temperature (50°F to 90°F/10°C to 32°C). Protect from freezing and extreme heat. If the container is exposed to freezing temperatures and appears congealed or stringy, do not use. Contact the ARDEX Technical Service Department for more information.

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.

Stain Resistance

REAGENT	NON-ABRADED ARDEX CG	ABRADED ARDEX CG
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
Kerosene	2	2
Lubricating Oil	1	1
Muratic 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.

Technical Data According To ARDEX Quality Standards

Physical properties are typical values and not specifications.

VOC Content: Max. 249 g/L – Calculated and Reported SCAQMD 1113

Solids Content: 40%

S.C.O.F (ASTM C1028) Smooth surface profile: 0.60 - 0.70
Medium-to-coarse surface profile: 0.88 - 0.90

Cleanup: Clean up with water when wet.

USDA/FDA FSIS Directive 1000.4, Revision 1: Approved

Drying Time (minimum at 70°F/21°C): To touch: 1 hour

Apply second coat: 2 to 4 hours

Receive normal traffic: 24 hours

Colors: Gray and Clear

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 for Clear: **Over broom finish:** 200-300 sq. ft. (19-28 sq. m) per gallon
Over smooth finish: 400-600 sq. ft. (37-56 sq. m) gallon

Packaging: 1 Gallon / 3.79 L Container

Storage: Store in a cool dry area. Do not expose container to sun. Keep from heat. Protect from freezing. Keep container closed when not in use.

Shelf Life: 1 year, if unopened

Warranty: ARDEX Engineered Cements Standard Limited Warranty applies.

Made in the USA

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Updated 7-29-2014. Supersedes all previous versions. Check www.ardexamericas.com for updates.

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For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or Google play.



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