



ARDEX CG

Concrete Guard™

**High-performance, high solids,
water-borne acrylic concrete sealer**

**Seals and protects all uncoated cementitious surfaces,
including ARDEX Toppings**

Easy to apply and quick drying

Nonflammable and UV stable

USDA/FDA compliant

Exceeds ADA requirements

Durable and abrasion resistant

Use on interior and exterior surfaces

Now available in white/tintable base

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ARDEX CG Concrete Guard™

High-performance, high solids, waterborne acrylic concrete sealer

Usage And Description

ARDEX CG™ 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 concrete and masonry surfaces on residential, commercial and light industrial applications, including sidewalks, patios, plazas, courtyards, walkways, driveways, parking garages, pool decks and most vertical concrete surfaces. It is especially suited to seal ARDEX toppings and, when pigmented, can be used to create a uniform appearance over both a repaired area and the adjacent concrete or masonry surfaces. For usage instructions with ARDEX toppings, please refer to the individual product brochures.

ARDEX CG is very 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 cyclical temperature changes and wet conditions. In addition, and in compliance with USDA/FDA Food Safety & Inspection Service Directive 1000.4, Rev. 1, ARDEX CG is approved for industrial use subject to USDA and FDA federal inspections, such as meat, poultry and beverage.

Subfloor Preparation

All concrete surfaces must be structurally sound, solid and free of any contaminant that might act as a bond breaker, including all weak or loose areas, form release, sealers, paints, latex or gypsum compounds, curing compounds, dust, dirt or oils. If necessary, mechanically clean the surface down to sound, solid concrete by shot blasting, sandblasting, scarifying, grinding or high-pressure power washing. Acid etching, adhesive removers, solvents and sweeping compounds are not acceptable means of cleaning the surface. The use of sanding equipment is not an effective method to remove curing and sealing compounds. Surfaces must be dry for a successful installation. Surface and air temperatures must be between 50°F (10°C) and 90°F (32°C) for the installation of ARDEX CG. For further information, please refer to the ARDEX Substrate Preparation Brochure.

Color

ARDEX CG is available in Clear and Concrete Gray. In addition, where a specific color is desired, the ARDEX CG White/Tintable Base is available. The tinting can be done through your local paint supplier using standard pigments for waterborne acrylic sealers, such as Sherwin-Williams' Blend-A-Color or similar. As with all color matching jobs, please be advised that a test area should be installed on site and approved by the end user prior to sealing the entire area.

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 ARDEX CG container must be thoroughly stirred 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 discoloration during cure. 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 protection equipment 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 vehicular traffic.

When applying ARDEX CG outdoors, do not proceed if rain, 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.

Notes

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.

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.

Never mix with additives unless approved by ARDEX.

Precautions

Avoid eye and skin contact. Close container after each use. Apply in a well-ventilated area and avoid breathing vapors. Do not reuse container. Dispose of container and residue in accordance with federal, state and local waste disposal regulations. Do not flush sealer down drains, sewers or waterways. KEEP OUT OF REACH OF CHILDREN. Carefully read and follow all cautions and warnings on product label.

Stain Resistance Chart

Number Code:
1 – Unaffected
2 – Superficial effect
3 – Considerable effect

REAGENT	NON-ABRADED SURFACE	ABRADED SURFACE
Ammonia Solution (5%)	1	2
Chlorine Solution (10%)	2	2
Diesel Fuel	1	2
Gasoline	1	1
Heavy-Duty Detergent Solution	1	1
Hydraulic Fluids	3	3
Kerosene	1	2
Lubricating Oil	1	1
Muratic Acid (10%)	1	1
Paint Thinner	1	1
Prestone® Antifreeze Coolant	1	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

Technical Data According To ARDEX Quality Standards

VOC/VOS

Content: Max. 249 g/L - calculated & reported
SCAQMD 1168

Solids Content: 40%

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

Solvent: Water only

**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

Coverage: **CONCRETE GRAY,
WHITE/TINTABLE BASE**

**Over broom
finish:** 150 to 200 sq. ft./gal.

**Over smooth
finish:** 200 to 400 sq. ft./gal.

CLEAR

**Over broom
finish:** 200 to 300 sq. ft./gal.

**Over smooth
finish:** 400 to 600 sq. ft./gal.

Packaging: One gallon 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: One year unopened

Warranty: ARDEX Engineered Cements
Standard Limited Warranty applies.

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