



ARDEX CG

Concrete Guard™

High-performance, high solids acrylic concrete sealer

Seals and protects all uncoated cementitious surfaces

Use to seal ARDEX toppings

Easy to apply and quick drying

Nonflammable and UV stable

USDA/FDA compliant

Exceeds ADA requirements

Durable and abrasion resistant

Resists flaking and peeling

Reduces water penetration into concrete and masonry substrates, minimizing efflorescence, chalking and spalling

No primer required

Use on interior and exterior surfaces

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ARDEX CG

Concrete Guard™

Usage

ARDEX CG™ is a high-performance, high solids concrete sealer designed to seal and protect all common concrete and masonry surfaces, including sidewalks, patios, plazas, courtyards, walkways, driveways, parking garages, pool decks and most vertical concrete surfaces. Use over all uncoated cementitious surfaces, interior or exterior, on residential, commercial, and light industrial applications. It is especially suited to seal Ardex wear surface products, such as ARDEX SD-T® SELF-DRYING, SELF-LEVELING CONCRETE TOPPING, ARDEX SD-M™ DESIGNER FLOOR FINISH™, ARDEX K 500™ SELF-LEVELING CONCRETE TOPPING, ARDEX CP™ CONCRETE PATCH, ARDEX TWP™ FINISHING COMPOUND FOR TILT-UP AND VERTICAL CONCRETE WALLS, ARDEX A 300™ POURABLE OUTDOOR CONCRETE TOPPING, and ARDEX CD™ and ARDEX CD FINE™ CONCRETE DRESSING. Use ARDEX CG to create a uniform appearance over adjacent concrete or masonry surfaces.

Description

ARDEX CG is a high solids acrylic sealer that is easy to apply, quick drying, nonflammable and UV stable. Applied in a minimum of two coats, ARDEX CG is very durable and abrasion resistant. Its ability to penetrate into the surface of the concrete helps to resist flaking and peeling. ARDEX CG is available in a clear gloss and concrete gray.

In compliance with USDA/FDA Food Safety & Inspection Service Directive 1000.4, Rev. 1, ARDEX CG is approved for industrial uses, including plants under USDA and FDA federal inspections, such as meat, poultry and beverage. ARDEX CG, once applied properly, creates a non-porous coating that is approved for incidental food contact, and that will perform well under a daily regimen of thorough cleaning, as well as cyclical temperature changes and wet conditions. Ardex recommends the ARDEX FLOOR CARE SYSTEM of products for cleaning ARDEX CG applied indoors.

Subfloor Preparation

All concrete surfaces must be structurally sound, solid, and free of any contaminant that might act as a bond breaker, including the removal of form release, existing sealers or paints, latex or gypsum compounds, curing compounds, weak or loose areas, 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 temperatures must be a minimum of 50°F (10°C) for the installation of ARDEX products. For further information, please refer to the ARDEX Substrate Preparation Brochure.

ARDEX CG can be applied over ARDEX SD-T®, ARDEX SD-M, ARDEX K 500, ARDEX CP, ARDEX TWP, ARDEX A 300, ARDEX CD and ARDEX CD FINE as soon as they are hard enough to receive the application of the sealer without damaging the surface. Please refer to the ARDEX Technical Brochures for drying information.

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 product's high percentage of solids, settling of the product 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. Using mechanical mixing will ensure a workable consistency for application. ARDEX CG should be applied in a minimum of two coats, and the first coat allowed to dry 2-4 hours (depending on ambient atmospheric conditions) before placing the second coat.

ARDEX CG is easily applied to any prepared concrete surface. Mechanically remove any loose or contaminated concrete, then broom-sweep and vacuum the area to be resurfaced thoroughly to remove any fine dust or dirt. Make sure the concrete is completely dry to avoid the possibility of discoloration of the sealer during cure. Tape or otherwise mask off areas that are not to be sealed.

Pour the ARDEX CG into a paint tray and apply the coating to the surface with a 3/8" nap paint roller. Do not pour the sealer directly onto the concrete surface. Back rolling is recommended when spraying ARDEX CG 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, along joints and in corners. Allow the first coat to dry for a minimum of 2 hours (max. 4 hours) at 70°F (21°C) surface and air temperature before applying the second coat. Avoid full traffic and vehicular traffic until the second coat has dried thoroughly (an additional 24 hours).

When applying ARDEX CG outdoors, do not apply if rain, fog, or extremely high humidity is expected within 6-8 hours of application, or if freezing temperatures could occur within 24 hours. Do not apply ARDEX CG to any surface if the temperature of the surface and the air is under 50°F (10°C) or over 90°F (32°C). Cool ambient and surface temperatures will slow drying time.

Notes

ARDEX CG is intended for sealing and protecting interior and exterior concrete subject to foot and rubber-wheeled traffic. Do not use in fountains, swimming pools or any areas that will be permanently submerged.

ARDEX CG is recommended for residential, commercial and light industrial use only. ARDEX CG is not intended for uses such as heavy manufacturing or areas with heavy truck traffic.

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

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.

Physiologically and ecologically friendly when set. Never mix with additives unless approved by Ardex. Do not install below 50°F (10°C) surface temperature. Install quickly if substrate is warm. ARDEX CG is non-flammable.

Stain Resistance Chart

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

REAGENT	NON-ABRADED	ABRADED
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

Solids Content:	40%
S.C.O.F. (ASTM C1028):	Smooth surface profile – 0.60-0.70 Medium to coarse profile – 0.88-0.90
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: 2-4 hours Receive normal traffic: 24 hours
Colors Available:	Clear and Concrete Gray
Coverage:	ARDEX CG GRAY over broom finish: 150-200 sq. ft./gal ARDEX CG GRAY over smooth finish: 200-400 sq. ft./gal ARDEX CG CLEAR over broom finish: 200-300 sq. ft./gal ARDEX CG CLEAR over smooth finish: 400-600 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.

Limited Warranty

Ardex, L.P. warrants that if this product proves to have manufacturing defects and ARDEX is notified of such within six months from the date ARDEX shipped the product, ARDEX will replace the defective product f.o.b. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. ARDEX does not authorize anyone, including ARDEX Representatives, to make any statements which supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the Ardex Technical Service Department. Any installations proceeding without this confirmation, or misinstallations of the product, will void this warranty. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, AND IS STRICTLY LIMITED TO ITS TERMS. ARDEX MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY OF ITS PRODUCTS FOR ANY PARTICULAR PURPOSE. All product demonstrations are placed for illustrative purposes only and do not constitute a warranty of any kind. ARDEX SELLS ITS PRODUCTS UPON THE CONDITION THAT CUSTOMERS SHALL CONDUCT THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF THE PRODUCTS FOR THE CUSTOMERS' INTENDED PURPOSES. UNDER NO CIRCUMSTANCES WILL ARDEX BE LIABLE FOR ECONOMIC, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES OF ANY KIND WHATSOEVER ARISING OUT OF OR OCCASIONED BY THE SELECTION, USE, INSTALLATION, OR REPLACEMENT OF THESE PRODUCTS.

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