



H&C® CLEARPROTECT™ SELF-LEVELING EPOXY 2-PART CLEAR COAT



PRODUCT DESCRIPTION

H&C® CLEARPROTECT™ 2-Part Self-Leveling Epoxy is a 100%-solids, two-component, clear epoxy formulated to create a durable, low-maintenance flooring surface.

FEATURES & BENEFITS

- Self-leveling properties permit easy application.
- Resists impact, abrasion and chemical exposure, making it ideal for commercial applications.
- Imparts a beautiful, high-gloss finish.
- Suitable for commercial and industrial use
- Excellent adhesion properties provide long-lasting protection.
- Complies with USDA food requirements for safety

RECOMMENDED USES

H&C CLEARPROTECT 2-Part Self-Leveling Epoxy can be used on interior commercial, industrial and residential concrete flooring. Because it is extremely hard wearing, the product is especially well-suited for applications such as warehouses, showrooms, garages, commercial kitchens and office spaces. It can also be applied over H&C® INFUSION® Decorative concrete color treatments, such as Acetone Dye, Acid Stain and Semi-Transparent Stain, and as a protective coating over H&C DURATOP® Concrete resurfacers and overlays.

*For product data relating to CLEARPROTECT 2-Part Self-Leveling Epoxy when used in the Metallic Flooring System, please refer to the Metallic Floor System Informational Brochure (Access here: <https://www.hconcrete.com/wp-content/uploads/2018/09/HC-Metallics-Web.pdf>).

COVERAGE RATES

50-160 sq ft/gal (30-10 wet mils)

NOTE: Coverage will vary depending on concrete porosity and roughness.

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

LIMITATIONS

H&C CLEARPROTECT 2-Part Self-Leveling Epoxy is for professional use only. Apply only to interior surfaces in areas with adequate ventilation. **DO NOT allow to freeze.**

SURFACE PREPARATION

Proper inspection and preparation of the substrate to receive resinous material is critical. For the best adhesion, properly prepared concrete should be clean, dry and absorbent.

Bare Concrete: Before applying product to new concrete, allow to cure for 28 days. All concrete should be clean and free of grease, oil, laitance, mildew and paint.* To spot clean, use H&C® CONCRETEREADY® Cleaner Degreaser, following label directions. Rinse thoroughly and allow to dry. If mold, mildew or fungus is present, kill and remove by cleaning with a solution of 1 cup household bleach to 1 gallon of water. All concrete surfaces must be etched first with H&C CONCRETEREADY Etching Solution or muriatic acid, following label directions. Properly etched concrete should have the feel of 120-grit sandpaper and absorb water rapidly. To test, place a dime-size amount of water onto various areas of the slab to be coated. The water should absorb into and darken the concrete in 10 to 15 seconds. If the water does not absorb, then additional surface preparation methods should be done, such as mechanical grinding or shotblasting. Reference surface prep standard SSPC-SP13/NACE 6, or ICRI No. 310 2R, CSP 1-3. Prepared concrete should have a pH level of 6 to 10.

***WARNING:** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. To avoid exposure to lead dust, wear proper protective equipment, such as a properly fitted respirator (NIOSH approved) and follow proper containment and cleanup procedures. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority.

Previously Stained or Colored Concrete: Make sure previously stained or dyed surfaces are in sound condition. Use H&C CONCRETEREADY Cleaner Degreaser mixed to a 50/50 ratio with water to remove any contaminants from the surface.

TOOLS REQUIRED

- Stiff broom
- Garden hose with a pressure washer nozzle
- Bucket
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

Mixing: H&C CLEARPROTECT 2-Part Self-Leveling Epoxy is a catalyzed product. Part A (clear) and Part B (hardener) must be mixed prior to use, as follows:

1. Premix Part A (resin) using a low speed drill and blade. Mix for one minute and until uniform, using caution not to introduce air into the material.
2. Add 2 parts Part A (resin) to 1 part Part B (hardener) by volume. Mix with low speed drill and blade for three minutes until uniform. To ensure proper curing and performance, strictly follow mix ratio recommendations. No induction time is needed. You can apply material immediately after mixing.
3. Apply using a squeegee or trowel and back roll with a 3/8" nap roller at a spread rate of 50-160 square feet per g (1.3-4.0 meters squared per liter) to yield 10-30 mils (250-7 microns) WFT making sure of uniform coverage. Take care not to puddle materials and insure even coverage.
4. Allow to cure 24 hours minimum before opening to traffic and 72 hours before water exposure.

When to Apply: During installation and initial cure of H&C CLEARPROTECT 2-Part Self-Leveling Epoxy, concrete substrate and ambient air temperatures must be between 50°F (10°C) and 90°F (32°C). Substrate temperature must be at least 5°F (3°C) above the dew point.

How to Apply: Apply using a squeegee, trowel or roller. If using a squeegee or trowel, back roll with a 3/8-inch nap roller. Apply at a spread rate of 130 to 200 square feet per gallon to yield a thickness of 12 to 8 wet mils. Do not allow material to puddle. One coat is sufficient.

Note: The epoxy will appear to be cured and dry to the touch prior to full chemical cross-linking. Allow epoxy to cure for 3 days before exposure to water or other chemicals.

CLEAN UP

Clean mixing and application equipment immediately after use using toluene or xylene. Observe all fire and health precautions when handling solvents. Seal unused materials with labels intact and legible. Keep resins, hardeners and solvents separate from each other and away from sources of ignition. A 12-month shelf life is expected for products stored between 40°F (4.5°C) and 100°F (38°C).

MAINTENANCE

Clean light- to medium-soiled surfaces with a 50/50 solution of H&C CONCRETEREADY Cleaner Degreaser and water. Use H&C CONCRETEREADY Cleaner Degreaser full strength for heavily soiled areas, such as oil and grease stains.

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 72°F, 50% RH at 10 mils (250 microns)*)	Dry-to-touch	6 to 12 hours
	Light foot traffic	24 hours
	Heavy traffic	72 hours
	Recoat**	8 to 24 hours
	Full cure	7 days
Pot Life		40 mins.
VOC	EPA Method 24	<100 g/L; .83 lbs/gal as applied
Static Coefficient of Friction	NFSI Method B101.3-2012 and B101.1-2009	With SharkGrip: Wet SCOF .969 Wet DCOF .751 Without SharkGrip: Wet SCOF .991 Wet DCOF .724
Finish		High Gloss
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	76 mg loss
Flammability	24 hours	Self-extinguishing over concrete
Flexural Strength	ASTM D790	~12,400 psi
Tensile Strength	ASTM D 638	3527.4 psi
Impact Resistance	MIL-D 3134J	Direct: 160 in-lb Reverse: 20 in-lb
Hardness, Shore D	ASTM D 2240	77
Adhesion	ACI 503R	300 psi concrete failure
Volume Solids		98% ± 2%
Weight Solids		98% ± 2%
Weight per Gallon		10.3 lbs. ± 0.2 lb/gal
Shelf Life***	Unopened	Part A: 36 months Part B: 24 months

*Drying times are temperature, humidity and film-thickness dependent.

**If maximum recoat time is exceeded, abrade the surface before recoating.

***Store indoors at 40°F (4.5° C) to 100°F (38° C).

ORDERING INFORMATION

1 Gallon Part Number/SMIS

Part A 50.18065A-16/651068926

Part B 50.18065B-16/651068959

5 Gallons Part Number/SMIS

Part A 50.18045A-20/651070062

Part B 50.18045B-20/651070070

CAUTION

VAPOR HARMFUL. Use only with adequate ventilation.

Contains epoxy resin and volatile organic compounds. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, wear respiratory protection (NIOSH/ MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed do not induce vomiting. Get medical attention immediately. **DELAYED EFFECTS FROM LONG-TERM**

OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

LIMITED WARRANTY

Seller's and manufacturers only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the applicator's inability to use the product for his/her intended use. The user assumes all risk and liability.

TECHNICAL SERVICES

The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of H&C Products Group and The Sherwin-Williams® Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your H&C or Sherwin-Williams representative to obtain the most recent product data sheet.

For technical assistance, call 1-800-867-8246 or visit www.hcconcrete.com.