

DESCRIPTION.

202 ACE EPOXY PRIMER is a 100% solids, two-component epoxy primer designed to provide high adhesion and wet out prepared concrete flooring surfaces. Its unique characteristics allow the epoxy to penetrate deep into the concrete flooring surface, resulting in an incredible bond that is much stronger than standard epoxies. 202 ACE EPOXY PRIMER withstands moisture pressure up to 5 lbs. / 1,000 sq. ft / 24 hrs. per ASTM F1869. By securing exceptional adhesion to concrete with 202, ACE EPOXY flooring systems have a strong foundation. 202 ACE EPOXY PRIMER is available in clear with the option to add the 500 UNIVERSAL PIGMENTS to match the desired colored flake finish for the Ace Flake systems.

APPLICATIONS.

- Garage Floors
- Industrial / Commercial Floors
- Firehouse Floors
- Basements
- Kennels
- Restrooms
- Stadiums
- Educational Campuses
- Showrooms
- Locker Rooms

ADVANTAGES.

- Low odor.
- Low VOC.
- 100% Solids
- Designed to receive flake uniformly. Can be accelerated to allow for one-day installations.
- Extreme bond strength to concrete floors.
- Modular design allows for universal colorants to be mixed in as needed.
- Cures in the presence of high humidity.
- Withstands up to 5 lbs. of moisture pressure.
- Low viscosity allows for easy application.
- Alkali resistant.
- Only sold to floor coating professionals.

PHYSICAL PROPERTIES.

Volumetric Mix Ratio A:B		2:1
Volatle Organic Compound		12.8 g/L
Volumetric Solids		99%
Compressive Strength	ASTM D 695	10,800 psi
Tensile Strength	ASTM C638	8,600 psi
Surface Hardness Shore D	ASTM D2240	80
Adhesion	ACI 503R	350 psi / 100% Concrete Failure
Flexural Strength	ASTM D790	12,200 psi
Pot Life, 1 Gallon Mass, 75F		45 min
Flammability	Self-extinguishing over concrete	
Elongation	ASTM D 638	5.4%
Dry to Touch Cure Time	8-10 hours 7 days	

CHEMICAL RESISTANCE.

CHEMICAL.	EFFECT.
Acetone	No Effect
Xylene	No Effect
10%HCL	No Effect
Ammonia	No Effect
Degreaser	No Effect
Liquid Plummer	No Effect
Vinegar	No Effect
Clorox	No Effect
Windex	No Effect
Motor Oil	No Effect
Gasoline	No Effect
Skydrol	No Effect
Hot Tire	No Effect

PACKAGING.

KIT SIZE.	COMPONENT.	PART NUMBER.
1-Gal Kit	Kit	202-1
	Part A	202-1A
	Part B	202-1B
5-Gal Kit	Kit	202-5
	Part A	202-5A
	Part B	202-5B

COVERAGE.

	FIRST COAT.	SECOND COAT.
Over Concrete	200 sq. ft per gal	250 sq. ft per gal

ENVIROMENTAL CONSIDERATIONS.

Ideal application environmental conditions for ACE EPOXY flooring systems are between 50-85°F and relative humidity of 65%.

- Hot and humid climate will shorten the pot life and cure time, which can have an adverse effect on the final appearance of the floor.
- Cold and dry climate will increase the pot life and prolong the cure time, making the floor susceptible for contamination and longer shutdown times.
- Applying the product during descending temperature will help reduce concrete out-gassing from occurring.

Storing the material before the application in areas where the temperature is within the recommended range for at least a day is strongly recommended. Other methods accommodate for temperature and moisture outside the range is:

- Ice the buckets several hours before the application in case of hot and humid weather. Use pail warmer in case of cold weather.
- Applying the material during the night, morning or afternoon will improve application conditions for hot weather. Applying during the day will help with colder conditions.

Consult with ACE EPOXY Technical Support.

TECHNICAL SUPPORT.

www.aceepoxy.com/techsupport

Scan for system support and videos



SUBSTRATE CONDITIONS.

All concrete should clean, bare, and free of any curing membranes, such as densifiers, paints, or other sealers inhibiting the adhesion directly to the concrete substrate. Concrete shall be in structurally sound and stable condition. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. All cracks, gouges, and other surface defects shall be repaired appropriately prior to installation. See ACE EPOXY options for cracks and joint fillers and repairs.

Moisture reading on concrete should not exceed 5 lbs. / 1,000 sq. ft / 24 hrs. per ASTM F1869. Consult with ACE EPOXY Technical Support if moisture vapor transmission readings are above the recommended levels.

SURFACE PREPARATION.

Pour water onto the concrete surface. Inspect area to see if water penetrates concrete (concrete will darken). If water beads up during the penetration test, then the following additional preparation will be needed.

Nonporous concrete must be mechanically prepared to a profile of CSP (Concrete Surface Profile) between 2 and 4 per ICRI (icri.org). The method used to mechanically achieve the recommended CSP can range from grinding, shotblasting, sanding, light scarification, or any method recommended by ICRI. Non-acid biodegradable etchers might also be used. Consult with ACE EPOXY Technical Support.

RECOMMENDED APPLICATION TOOLS.

- 18" x 3/8" Lint free Rollers
- 18" roller assembly
- Epoxy / Paint Mixer
- Spike Shoes
- Bent Floor 24" Scraper + Handle
- Rigid 18" Floor Scraper + Handle
- 4" Weenie Roller Frame
- 4" Weenie Roller 3/8" Nap (2 Pack)
- 6" Weenie Roller Frame
- 6" Weenie Roller 3/8" Nap (2 Pack)
- 36" Squeegee Frame
- 36" x 1/8" Notch Squeegee Blade
- Isopropyl alcohol, xylene or acetone for cleaning
- Rags
- Gloves, Long Pants & Long Sleeves
- Eye Protection
- Respirator compliant with NIOSH / Face mask

EPOXY APPLICATION.

Apply 202 ACE EPOXY between 150 and 250 sq. ft per gallon (6.4 - 10.66 mills wet).

1. Premix Part A and Part B in their respective buckets with a low-speed drill using a jiffy type mixer.
2. Add 500 UNIVERSAL PIGMENTS to Part A and mix.
3. Add Part B to pigmented Part A and mix for 2-3 minutes.
4. Scrape sides of the bucket to assure all of the material is incorporated. Continue mixing for 1 minute.
5. Optional: add accelerators (consider environmental conditions, pot life will be reduced).
6. Apply enough product on the floor to work edges with 3"-4" brush or 6" weenie roller. Work fast enough to keep wet edge.
7. Pour an even line of 202 ACE EPOXY about 4" to 6" thick on the floor. Begin rolling with the 18" x 3/8" nap roller. Target between 6-10 mills (150-250 sq. ft/gal). Wear spike shoes as needed.

8. For even coverage and better flake adhesion back-roll the 202 ACE EPOXY just prior to broadcasting the flake.

Continue application of selected media and/or system; flake, sand, build-coat, etc. as directed by the system guide or ACE EPOXY Technical Support.

LIMITATIONS.

- Will not bridge cracking.
- Yellows under direct UV exposure and wavelength lighting including Fluorescent.
- Must be top coated with a UV Resistant Sealer to stop ambering.

Slip Resistance OSHA and the American Disabilities Act (ADA)

have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. ACE EPOXY recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. ACE EPOXY will not be responsible for injury incurred in a slip and fall accident.

ACE EPOXY guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ACE EPOXY (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Seller's obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.