

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.

SUBSTRATE CONDITIONS.

All concrete should be 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 System installation, see **ACE** EPOXY options for cracks and joint fillers and repairs.

Moisture reading on concrete should not exceed 5 lbs. / 1000 sq. ft / 24 hrs. per ASTM F1869 for **202** ACE EPOXY PRIMER. Consult with **ACE** EPOXY Technical Support if moisture vapor transmission readings are above the recommended levels.

ENVIRONMENTAL CONSIDERATIONS.

Ideal environmental conditions for **202** ACE EPOXY PRIMER are between 50-85°F and relative humidity of 65%.

- Hot and humid climate will shorten the pot life and curing 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 curing 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:

- 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.

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.

COVERAGE.

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

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-Inch Weenie Roller Frame
- 4-Inch Weenie Roller 3/8 Nap 2 Pack
- 6-Inch Weenie Roller Frame
- 6-Inch Weenie Roller 3/8 Nap 2 Pack
- 22" Magic Trowel
- Acetone or Xylene for cleaning
- Rags
- Gloves, Long Pants & Long Sleeves
- Eye Protection
- Respirator compliant with NIOSH / Face mask

EPOXY APPLICATION.

1. Premix Part A and Part B within their respective buckets prior to mixing both components with a low-speed drill using a jiffy type mixer.
2. Add 500 ACE UNIVERSAL PIGMENTS to Part A and mix.
3. Add Part B to colored Part A at ratios listed on labels and mix for 2-3 minutes.
4. Scrape sides of the bucket to assure all material is mixed, then continue mixing for one 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 PRIMER about 4"-6" thick on the floor. Begin rolling with the 18" x 3/8" roller. Target between 6-10 mils (150-250 sq. ft/gal). Wear spike shoes as needed.
8. For even coverage and better flake adhesion, back-roll the 202 ACE EPOXY PRIMER just before broadcasting flake/media.

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.

ADDITIONAL CAUTIONS AND RECOMENDATIONS.

- Have all personnel who come in contact with liquids read The ACE EPOXY, URETHANE, AND POLYASPARTIC 2K SAFETY GUIDE and Material Safety Data Sheets before commencing work.

TECHNICAL SUPPORT.

Visit www.aceepoxy.com/techsupport or scan the QR code below for system support and videos.

