

## DESCRIPTION.

303 ACE HIGH HUMIDITY POLYASPARTIC is an 80% solids, two-component fast-drying topcoat that provides exceptional abrasion and chemical resistance, non-yellowing, and is hot-tire resistant. The low viscosity of this product provides great flow and leveling, with cross linking that allows for a smooth and extremely durable single coat application. This product is available in a clear gloss or can be pigmented using ACE UNIVERSAL PIGMENTS. The 303 ACE HIGH HUMIDITY POLYASPARTIC is designed for warmer and high humidity environments that allows the installer extra time to apply the system. Its long pot life allows for ease of application over decorative flake, quartz, sand broadcast, or solid color floors.

## SUBSTRATE CONDITIONS.

303 ACE HIGH HUMIDITY POLYASPARTIC should be used in conjunction with 202 ACE EPOXY or 204 ACE EPOXY. Refer to ACE FLAKE SYSTEM guide for additional information.

## ENVIROMENTAL CONSIDERATIONS.

Ideal environmental conditions for 303 ACE HIGH HUMIDITY POLYASPARTIC 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.

## COVERAGE.

SURFACE.	FIRST COAT.	SECOND COAT.
Over 1/4" Flake	150 – 175 sq. ft per gal	175 – 200 sq. ft per gal
Over Sealed Surface	150 – 175 sq. ft per gal	175 – 200 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

### **POLYASPARTIC APPLICATION.**

1. If applying 303 ACE HIGH HUMIDITY POLYASPARTIC over a previously coated floor, lightly sand the surface to create a profile that allows for inter-coat bonding.
2. Premix Part A and Part B in their respective buckets.
3. Pour Part B into Part A at ratios listed on labels and mix for 3 minutes using a jiffy blade mix with a low-speed drill.
4. Make sure that all areas of the material in the container are mixed. Scrape the walls of the bucket with a wooden paddle to ensure all material is mixed. Continue mixing for 1 minute.
5. Use spike shoes when applying 303 ACE HIGH HUMIDITY POLYASPARTIC for proper reach of the areas of application.
6. Pour the material in even lines about 4" to 6" thick,
7. Using an 18" x 3/8" nap roller, spread the polyaspartic topcoat to achieve a rate of 150 -175 sq. ft per gallon.
8. Assure there is a wet edge of uncured material between applications of material for uniformity and proper curing process.
9. Allow 303 HIGH HUMIDITY ACE POLYASPARTIC to cure proper time according to climate conditions before opening for traffic. Please refer to product TDS for curing times.

### **LIMITATIONS.**

- 302 ACE 80% SOLIDS POLYASPARTIC is combustible and measures to assure its safety and integrity are highly recommended.
- All sources of ignition should be turned off during installation and remain off until solvent vapors have dissipated.
- Not resistant to acids.
- Requires a moisture vapor barrier for substrates that exceed 3lbs of MVT.
- Will not bridge cracking.

### **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](http://www.aceepoxy.com/techsupport) or scan the QR code below for system support and videos.

