



# BRICKFORM® Poly-Astic

## Clear Sealer

### PRODUCT DESCRIPTION

Poly-Astic is a two-part, high solids, high build sealer designed for use on concrete or masonry surfaces. Poly-Astic allows for single coat high film thickness in a water clear finish. Poly-Astic provides a very smooth, mirror like finish not attainable with any other product. In addition, Poly-Astic does not yellow or deteriorate under UV rays, it is highly resistant to chemicals and will greatly increase the useful life of any surface it's applied on.

Poly-Astic is a Polyurea sealer made with premium resins, it is non-yellowing and resistant to oil, gasoline, grease, acid, deicing salts, ultra violet rays, wet and dry abrasion, and most household chemicals. Poly-Astic contains unique resins and solvent formulations designed for maximum penetration into the concrete pores providing great adhesion to the surface. It enhances the depth and color of natural surfaces and provides a long lasting protective, mirror like finish that's ideal for decorative concrete surfaces.

Poly-Astic is a two part Zero VOC sealer. It should not be diluted with xylene, toluene or any solvent. Do not thin. Use straight as it comes.

### FEATURES

- Zero VOC, compliant in all states. CA & NY included.
- Non-yellowing.
- Dries water Clear.
- Penetrating.
- Fast drying.
- Enhances color of decorative concrete.
- Reduces alkali/efflorescence attack.
- Resistant to chemicals.
- Prolongs life of surface.
- Freeze thaw resistance exceeds 360 cycles.
- Maintains surface cleanliness.
- Easy to apply
- Prevents mildew and fungi.
- Improves weathering resistance of natural and manufactured brick products.
- 65% Solids Content

### SURFACE PREPARATION

New concrete should be cured at least 28 days, prior to application. The application area must be completely clean and dry to the touch. Pressure washing and power scrubbing may be necessary. The recommended surface profile for BRICKFORM sealers is a CSP1 or CSP2. Surface preparation guidelines are written by ICRI and outlined in Guideline No. 03732 *Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays*. Remove all efflorescence, oil, dirt, wax, old paints, sealers, and curing compounds. RINSE THOROUGHLY. Allow the surface to dry at least 24 hours. Soaps and detergents should never be used for cleaning. Dried residue on the surface will prevent the sealer from bonding. Acid washing is NOT recommended. If acid is used, a representative area must be tested. Soak the entire surface with water before applying the acid mixture. When the fizzing stops, rinse with clean water. After 10 or 15 minutes, the surface must then be flushed with clean water and

neutralized with a pH neutralizer such as ammonia, baking soda, or T.S.P. Repeat rinsing and neutralizing. Acid residue will prevent the sealer from penetrating. Allow the surface to dry for at least 24 hours prior to application. NOT RECOMMENDED for pre-sealed or dense surfaces, such as glazed tile, marble or granite, dense brick, dense slate, terrazzo, or unprepared power troweled concrete. If in doubt, test the surface by sprinkling with water. If water beads up on the surface, additional cleaning and testing must be done. Do not use where hydrostatic pressure is possible.

### PRIMING

No primer is necessary.

### MIXING

Mix Part-A and Part-B in equal parts by volume. Do not mix more than can be put down in 20 to 30 minutes, less time if it is a hot day.

### APPLICATION

**Polyastic must be recoated within 4 hours. Do not recoat after 4 hours from the first coat.** Apply with a short nap, lint-free, solvent resistant roller cover (1/4" to 3/8") at a rate of 200 to 400 square feet per gallon and no less than 150 square feet per gallon. If a second coat is necessary, apply second coat within 2 to 4 hours, waiting longer than 4 hours may result in delamination and/or uneven finish. Do not apply if ambient temperature is above 85F, at higher temperatures there may be significantly shorter potlife.

### LIMITATIONS

- Substrate must be fully dry before application. If not sure of the conditions a moisture test should be performed before sealer application.
- Polyastic must be recoated within 4 hours. Do not recoat after 4 hours from the first coat.
- Substrate must be prepared according to TIS.
- Do not apply at temperatures below 35°F (7°C)
- Do not apply if rain is expected within 6 hours of completed installation.
- Do not apply other coatings (epoxy, urethanes, etc.) over this material.
- Do not install concrete overlays, other toppings or surface treatments over this material.
- Do not install in enclosed structures without adequate ventilation.
- Test area for sealer acceptance and desired results.
- Clean tools and equipment with Xylene.

## TECHNICAL DATA AND SPECIFICATIONS

Coverage Rate .....	200 to 400 ft <sup>2</sup> per kit
Packaging .....	2 gallon Kit
VOC .....	0 Gms x liter
Color .....	Water clear
Water Miscible.....	No
Solids .....	65 %
Shelf Life .....	1 year
Recoat Time.....	2 to 4 hours
Application Temperature.....	35°F to 85°F
Flash Point .....	114 ° F

## CHEMICAL RESISTANCE

Reagent:	Rating:
Transmission Fluid .....	No effect
Gasoline .....	No Effect
Motor Oil .....	No effect
5% Sulfuric Acid.....	No effect
30% Hydrochloric Acid.....	No effect
Detergent .....	No effect

## MAINTENANCE

Wax floor (minimum 3 to 5 coats for commercial floors)  
Clean waxed floors with neutral cleaner (high or low pH cleaners will damage the wax), follow dilution ratios from manufacturer, rinse well after cleaning.  
Reapply wax/buff as needed  
Clean spills quickly, do not allow aggressive chemicals to stay on the surface for long.

## WARNING

**COMBUSTIBLE:** Contains solvents. Vapor and spray mist may be harmful. Overexposure may cause lung damage and allergic skin and respiratory reactions. Repeated and prolonged exposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness, and loss of coordination are signs that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Do not breathe vapor or spray mist. A POSITIVE-PRESSURE, SUPPLIED-AIR RESPIRATOR IS RECOMMENDED with eye protection, gloves, and protective clothing during application. A vapor particulate respirator may be appropriate where airborne monitoring demonstrates vapor levels below ten times the applicable exposure limits. In all cases, follow respirator manufacturer's directions. Do not permit anyone without protection in the working area.

Keep away from heat, sparks, and flame. VAPORS MAY CAUSE FLASH FIRE. Close container after each use. Use only with adequate ventilation. Do not breathe vapors, spray mist, or sanding dust. Do not get in eyes or on skin. Wash thoroughly after handling.

## FIRST AID

If affected by inhalation of vapors or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call a physician. For skin, wash thoroughly with soap and water. In case of ingestion, DO NOT induce vomiting. Get medical help immediately.

## IN CASE OF:

**FIRE** – Use foam, CO<sub>2</sub>, dry chemical, or water fog.

**SPILL** – Absorb with inert material and dispose of in accordance with applicable regulations.

**DISPOSAL** – Empty container with product residue may still be flammable; follow all hazard statements until it has been disposed of. Consult your sanitation department for more information on disposal of empty containers. Contact your local or state-designated environmental agency for information concerning re-use, recycling, or disposal of solvent-borne paint.

## WARRANTY

BRICKFORM warrants this product to be free from manufacturing defect. Since no control is exerted over its application and use, BRICKFORM makes no warranty, either expressed or implied, concerning this product. Seller and manufacturer's obligation shall be limited to replacing that portion of the product proven to be defective.

## MANUFACTURER

BRICKFORM, A Division of Solomon Colors, Inc.

## ORDER SPECIFICATIONS

### Poly-Astic

Container Size	Item No.
2 gallon kit	PA-1
2 quart kit	PA-25