

Product Description

Poly Shine is a two-part, high solids, high build sealer designed for use on concrete or masonry surfaces. Poly Shine allows for single coat high film thickness in a water clear finish. Poly Shine provides a very smooth, mirror like finish not attainable with any other product. In addition, Poly Shine 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 Shine 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.

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 Legacy 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. 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

Poly Shine 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 prepared according to TIS
- Substrate must be fully dry before application. If not sure of the conditions a moisture test should be performed before sealer application.
- 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.

Poly Shine™

Premium, High-Build, Poly-Aspartic Sealer - Zero VOC

Characteristics and Applications

Limitations

Legacy strongly recommends the use of a Moisture Vapor Evaporation Rate test in accordance with ASTM F1869. Results should not exceed 5 pounds per 1000 square feet per 24 hours based on the recommended test period. Relative humidity tests are strongly recommended as well when used in accordance with ASTM F2170. Results should not exceed 75%. Excessive moisture vapor evaporation rates can soften overlay materials and sealers, cause premature wear, discoloration and/or lead to a complete loss of bond from the concrete slab. Overlays and sealers should always be installed over pH neutral concrete substrates.

Technical Data and Specificaitons

Coverage Rate 300 to 400 ft² per gallon
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

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, CO₂, 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

Legacy warrants this product to be free from manufacturing defect. Since no control is exerted over it's application and use, Legacy 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.