



# ChemMasters®

## Polyseal™ EZ

Bubble Resistant, Non-Yellowing,  
Low VOC, Solvent Based,  
Acrylic Cure & Protect for Concrete

### Quality • Innovation • Service

## P R O D U C T                      D A T A

### DESCRIPTION

**Polyseal EZ** is a low-VOC, solvent-based cure & protect for concrete that is formulated with unique bubble resistant qualities. This state of the art, proprietary formulation will enhance the appearance of new or existing concrete while resisting bubble formation, stringing and cob webbing even in high temperature conditions. It's lower viscosity will promote increased penetration, absorption and adhesion to concrete surfaces. **Polyseal EZ** is non-yellowing and creates a glossy finish that remains clear throughout its service life.

### USES

- Cure, protect and enhance decorative concrete where superior curing efficiency, non-yellowing, and bubble resistance is required.
- Cure concrete freshly placed to best achieve maximum design strength and durability.
- Protect and enhance existing concrete from damage caused by freeze/thaw cycles & deicing chemicals.
- Enhance color and provide uniform appearance of dry shake hardened floors and stamped concrete.

### ADVANTAGES

- Maximum resistance to bubble formation in high temperatures.
- Protects concrete surfaces against damage from deicing chemicals, fertilizers, salts, grease, oil, and other contaminants.
- Minimizes spalling due to freeze-thaw cycle exposure, hair line checking, premature cracking, and other common defects which result from improperly cured concrete.
- Protects against most construction contaminants and prevents mortar, plaster and concrete droppings from bonding to concrete surfaces.
- Increased penetration and adhesion.

Packaging Part Number		
5 gal (18.9 liter)	36 per pallet	F1321.05
55 gal (208 liter)	4 / pallet	F1321.55

### TECHNICAL DATA

- ASTM C309, Type 1, Class A & B, (upon request 1D & 2) *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M-148, Type 1 & 1D, Class A & B (upon request 1D & 2)
- Complies with National V.O.C. Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 and lower VOC regulations @ < 350g/L
- USDA approved when cured for incidental food contact

Estimating Guide coverage rates vary with concrete condition		
Condition	ft <sup>2</sup> /gallon	m <sup>2</sup> /liter
Cure Fresh Concrete	300 to 400	7.4 to 9.8
Protect Existing Concrete	350 to 450	8.6 to 11
Optional 2nd coat	400 to 600	9.8 to 14.7

**Note:** Increased absorptivity of **Polyseal EZ** may require a second coat on porous substrates.

Physical Properties	
VOC Content	< 350 g/L
Flash Point—Closed Cup	1°F (-17°C)
ASTM C156 Moisture Retention	0.042 g/cm <sup>2</sup>
CRD-52-50 Abrasion Test	21.77 gram wt. loss

Drying Time @ 70°F (21°C) with 50% R.H.	
Dry to _ condition	Hours
To touch	0.5
For Light foot traffic	8
For heavy traffic	12
Maximum	168 (7 days)



**ChemMasters® Inc.**

American Made Products—Family Owned Company

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## Directions for Use

Consult Product Data Sheet at [www.chemmasters.net](http://www.chemmasters.net) for complete information regarding product performance and usage.

**Mixing:** Do not dilute. Clear **Polyseal EZ** is packaged ready to use.

**Tinted Polyseal EZ:** Pour 1/2 gal unit (1.9 L) of **Polyseal Tint** into a 5 gallon (18.9 L) pail of clear **Polyseal EZ**. Always mix tinted material until color and texture are uniform. Stir occasionally during use to ensure adequate pigment dispersion. (**Tinted Polyseal EZ** is best applied with a short nap solvent resistant roller for color uniformity.)

**Surface Preparation:** If using to cure fresh concrete, apply as soon as all bleed water has dissipated. If applying to older concrete, clean thoroughly with high-pressure water and allow the concrete to thoroughly dry.

**Application:** Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle.

**Spray Apply** with a low pressure, solvent resistant, airless, sprayer equipped with a fan nozzle orifice of 0.030 to 0.035" at 1 gpm. The optimum spray pattern is an 8" to 12" fan. Hold sprayer tip 8" to 12" from the surface of the concrete.

**Roller Apply:** Use a short nap (1/4" max) solvent resistant roller.

### Application Rate:

Curing: 300 ft<sup>2</sup>/gal (7 m<sup>2</sup>/L)

Reapplication: 350 to 450 ft<sup>2</sup>/gal (9 to 11 m<sup>2</sup>/L). Uncoated concrete may require an optional second coat.

**Clean-up:** Clean tools with solvent such as xylene immediately after use.

### CLEANUP

Clean tools immediately after use with **Polyseal Solvent™** or xylene.

### STORAGE

Store tightly sealed containers in a cool dry area away from direct sunlight and sources of heat or ignition. Shelf life is 2 years from date of manufacture.

### LIMITATIONS

- For outdoor use only.
- Not for use on surfaces to receive concrete overlays or toppings. Always test for compatibility and adhesion.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Do not apply to floors subjected to spills of gasoline or other strong organic solvents such as xylene, toluene, or lacquer thinner. Solvent, gasoline, hydraulic fluids, peanut oil, and cooking oils must be cleaned quickly to prevent softening of the membrane
- Do not apply in the presence of foodstuffs. USDA approval pertains to fully cured **Polyseal EZ**.
- Do not apply **Polyseal EZ** to joints or channels scheduled to receive elastomeric caulks.

- For the best results, apply when surface and ambient temperature will be at least 50°F (10°C). Temperatures must remain there for at least 3 days after application. Condition material to 50°F (10°C) before use.
- Over application or applying in cool temperatures may result in the formation of bubbles.
- Quality curing compounds and treatments may darken or highlight the subtle color variations naturally present in concrete. When the difference in shading is objectionable consult ChemMasters Technical Department prior to concrete placement.

### Precautions: For outdoor use only.

**Danger.** Highly Flammable Liquid and Vapor. Suspected of Causing Cancer. Toxic to aquatic life with long lasting effects. May be harmful if swallowed. May be harmful if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May be harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

**Precautionary Statements:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond the container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

All label precautions and Safety Data Sheet must be fully understood before using this product.

**Keep out of reach of children.  
For professional use only.**

### THIS PRODUCT IS FOR COMMERCIAL USE ONLY – IT IS NOT A CONSUMER PRODUCT.

Before using this product read entirely this paragraph and the Manufacturer's Warranty and Limitations of Liability at [Chem-Masters.net/Warranty.php](http://Chem-Masters.net/Warranty.php) (or by using the adjacent QR Code) incorporated herein (collectively the "Terms"). To reject any of the Terms buyer must return the unopened product container at once to the seller from which it was purchased. By opening or using this product buyer accepts without objection or modification all Terms. Subject to applicable law, **MANUFACTURER DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE**, and buyer agrees that in lieu of all other remedies in manufacturer's sole discretion it will either replace defective product or refund the reasonable purchase price, and in no event may you recover from manufacturer any special, incidental or consequential damages even if it was aware of the possibility of such damages.

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