



ChemMasters®

Polyseal Plus-A

High Solids, Low VOC,
Solvent Based, Acrylic Curing and
Sealing Compound for Concrete

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

Polyseal Plus-A is a premium quality, non yellowing, high gloss curing and sealing compound. **Polyseal Plus-A's** high solids formulation has been developed specifically to give long term protection to all exterior concrete including pigmented or decorative concrete. **Polyseal Plus-A** provides extreme abrasion and weathering resistance while developing exceptional gloss and color enhancement. **Polyseal Plus-A** eliminates concrete dusting and protects concrete from salt and water penetration. It generates a durable film that will continue to protect concrete after standard sealers have dissipated. **Polyseal Plus-A** may out last those sealers by at least one season.

USES

- Cure freshly poured concrete where superior curing efficiency and non yellowing performance is required
- Seal, harden and dustproof existing concrete, particularly architectural or residential concrete exposed to freeze-thaw or UV exposure
- Enhance color and provide uniform appearance of dry shake hardened floors and stamped concrete
- **Advantages**
- Protects concrete surfaces against deicing chemicals, abrasion, alkalis, mild acids and detergents longer than standard sealers
- Minimizes spalling due to freeze-thaw cycle exposure, hair line checking, premature cracking, dusting and other common defects which result from improperly cured concrete
- Provides more working time than standard acetone based sealers
- Tint system available to pigment **Polyseal Plus-A** in a variety of colors. Tinted sealer may be used to cure or seal broom or rough finished concrete and aids in hiding finishing imperfections or variations in color

TECHNICAL DATA

- ASTM C-1315, Type I & II, Class A
- ASTM C-309, Type 1, ID & II, Class A & B
- AASHTO M-148, Type 1 & 1D, Class A & B
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 @ <350g/L
- USDA approved, when cured, for incidental contact
- Version to meet U.S. Army Corps of Engineers CRD-C-300 available upon request

Test Data

V.O.C. Content:	<350 g/L
Solids %	30% minimum
ASTM C-156 Moisture retention	0.035 gm/cm ²
Flash Point	1°F (-17°C)
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
Hard film	2
For Light foot traffic	6
For heavy traffic	12

Estimating Guide Varies on service conditions

Condition	ft ² / gal (m ² /L)
Curing	300 (7)
Sealing/Dustproofing	450 (11)
Optional second coat	600(14.7)

Packaging Product Number

Quantity	Per Pallet	Product Number
5 gallon (18.9L)	36 per pallet	F1324.05
55 gallon (207L)	4 per pallet	F1324.55



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DIRECTIONS

Mixing: Clear **Polyseal Plus-A** requires no premixing. If using tint packs, add one unit of **Polyseal Tint** into 5 gallons of **Polyseal Plus-A** and mix well. Do not dilute.

Surface Preparation: If using to cure fresh concrete, apply as soon as all bleed water has dissipated. When curing stamped concrete, remove at least 95% of all release agents prior to application. If applying as a sealer for older concrete, clean thoroughly with high-pressure water and allow the concrete to thoroughly dry. When sealing smooth trowel finished floors with tinted **Polyseal Plus-A**, an acid wash, thorough rinse and dry-out is required.

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.

Cleanup

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

Storage

Store tightly sealed containers in cool, dry area away from direct sunlight and sources of heat. Shelf life is two years from date of manufacture.

LIMITATIONS

- **Polyseal Plus-A** should not be used on surfaces to receive concrete overlays or toppings. Always test for compatibility and adhesion.
- Strong organic solvents, xylene, toluene, lacquer thinner, will lift a **Polyseal Plus-A** film. Gasoline, hydraulic fluids, peanut oil and cooking oils soften and lift **Polyseal Plus-A** if spills are not removed quickly.
- Do not apply in the presence of foodstuffs. USDA approval pertains to fully cured **Polyseal Plus-A**.
- Tinted **Polyseal Plus-A** is not a permanent remedy for poorly colored or a smooth finished floor. Colored **Polyseal Plus-A** is not intended as a stand alone coating to color interior concrete. Acid wash before using tinted **Polyseal Plus-A** on smooth finished concrete.
- Do not use if ambient or surface temperature is below 40°F (4°C). For best results, condition material to a minimum 50°F (10°C) prior to application.

- Quality curing or sealing compounds and floor treatments may darken or highlight the subtle color variations naturally present in concrete.

Precaution

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/vapors/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.

Make certain that the most current versions of the product data sheet and MSDS are being used. Go to www.chemmasters.net or contact ChemMasters customer service at 1.800.486.7866 to verify the most current version.

Proper application is the responsibility of the user. ChemMasters can only make technical recommendations and cannot provide quality control on the jobsite.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT PRODUCT & SAFETY DATA SHEETS AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.