



# ChemMasters®

## Polyseal™ WB-15

Water-Based, Non-Yellowing,  
Curing and Sealing Compound

SPECIALTY CONSTRUCTION PRODUCTS

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

#### DESCRIPTION

**Polyseal WB-15** is a water-based, non-yellowing, acrylic concrete curing and sealing compound. This state-of-the-art proprietary formulation completely resists discoloration from ultraviolet light exposure, creates a semi-gloss coating that remains clear throughout its life. **Polyseal WB-15** is a low Volatile Organic Compound (V.O.C.) water based product.

#### USES

- Interior concrete where a low odor curing compound that meets ASTM C309 standards is desired.
- Exterior concrete curing where a non-yellowing water-based, easy clean up, formulation is preferred.
- Seal and dustproof older interior or exterior concrete.

#### ADVANTAGES

- **Polyseal WB-15** is very low VOC emission product at <100 g/L VOC.
- Protects concrete surfaces against deicing chemicals, fertilizers, salts, grease, oil, alkalies, mild acids, and detergents.
- Minimizes spalling due to freeze-thaw cycle exposure, hair line checking, premature cracking, dusting and other common defects that result from improperly cured concrete.
- May be applied over existing water and solvent based sealers (conduct a small test patch to ensure compatibility).
- Seals out most construction dirt and stains. Prevents mortar, plaster, and concrete droppings from bonding to concrete surfaces.

Estimating Guide coverage rates vary with concrete condition		
Condition	ft <sup>2</sup> /gallon	m <sup>2</sup> /liter
Curing	200	4.9
Sealing/dustproof	200-400	4.9 to 9.8
Optional 2nd coat	350	8.6

Physical Properties	
VOC content	< 100 g/liter
Flash Point PMCC	>212°F (>100°C)

Drying Time @ 70°F (21°C) with 50% R.H.	
Dry to _ condition	Hours
To touch	1
For Light foot traffic	8
For heavy traffic	24
Maximum Hardness	168 (7 days)

Packaging Part Number		
5 gal (18.9 liter)	36 per pallet	F1212.05
55 gal (208 liter)	4 / pallet	F1212.55

#### TECHNICAL DATA

- ASTM C 309, Types 1 or 1D, Class A and B, *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M 148, Type 1 & 1D, Class A & B

#### DIRECTIONS

**Mixing:** Do not dilute. Clear **Polyseal WB-15** is packaged ready to use and only requires mild stirring or agitation prior to use.

**Application:** Apply uniformly leaving no pinholes or gaps. Do not allow material to puddle. Use a short nap roller or a low pressure airless sprayer equipped with a fan nozzle. Hold sprayer tip 6 to 8 inches (15 to 20cm) from the surface of the concrete. Apply uniformly leaving no pinholes or gaps.

**Curing:** Apply **Polyseal WB-15** after all bleed water has dissipated and application will not mar surface. An optional second coat should be applied at right angles to first coat enhancing moisture retention while providing additional protection from deicing chemicals, oils, and greases.



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**Cured Concrete:** Clean thoroughly with high pressure water removing any dirt, dust, curing or sealing membranes, paints, oil, grease, or other contaminants that prevent adhesion.

**Colored Concrete:** When sealing a steel trowel finished floor with **Polyseal WB-15**, lightly acid wash the cleaned concrete and rinse well with potable water. Muriatic or citric acid opens the concrete pores and allows maximum penetration of the **Polyseal WB-15**.

**Maintenance:** Surfaces previously sealed with **Polyseal WB-15** should be cleaned and resealed every 2 to 3 years depending on exposure and traffic.

#### Cleanup

Before material dries and hardens, clean tools and equipment with warm water and detergent.

#### Storage

Do not allow to freeze. Store tightly sealed containers in cool, dry area. Shelf life is one year from date of manufacture.

#### Limitations

- **Polyseal WB-15** should not be used on surfaces to receive concrete overlays or toppings. Consult ChemMasters for compatibility of other surface treatments. Always test for compatibility, penetration and adhesion.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Do not apply **Polyseal WB-15** to joints or channels scheduled to receive elastomeric caulks.
- **Polyseal WB-15** should not be tinted.
- Do not use if ambient or surface temperature is below 50°F (10°C). For best results, condition material to at least 60°F (16°C) prior to application.
- Use when the temperature is at least 5°F (2.8°C) above the dew point.
- Clear curing and sealing compounds may darken or highlight the subtle color variations naturally present in concrete. When the difference in shading caused by absorptive deviation or finishing techniques is objectionable, consult ChemMasters Technical Staff prior to concrete placement for recommendations.

#### Precautions:

**WARNING:** May be harmful if swallowed. May cause an allergic skin reaction. Causes eye irritation. May be harmful if inhaled. May cause respiratory irritation.

Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

**Keep Out of the Reach of Children. All label precautions and the Safety Data Sheet must be fully understood before using this product. Ensure that you are using the most recent Product Data Sheet for instructions. Go to [www.chemmasters.net](http://www.chemmasters.net) for the most up to date information or contact ChemMasters, to verify, at 800.486.7866.**

Proper application is the responsibility of the user. ChemMasters can only make technical recommendations and cannot provide quality control on the jobsite. All label directions and the Safety Data Sheet must be understood before beginning application procedure

#### 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.