



ChemMasters

SPECIALTY CONSTRUCTION PRODUCTS

SAFESEAL

WATER BASED
CURING AND SEALING COMPOUND



P R O D U C T D A T A

DESCRIPTION

SafeSeal is a water based acrylic curing and sealing compound for concrete. Unlike most water based curing and sealing compounds, **SafeSeal** contains no hydro-carbon solvents. **SafeSeal** resists yellowing and degradation from ultraviolet light while effectively, curing, sealing and dustproofing concrete and masonry surfaces.

USES

- Sealing and dustproofing older concrete surfaces in occupied buildings or where solvent odors can not be tolerated
- Curing interior slabs, particularly in confined areas with poor ventilation
- Commercial, industrial or residential structures
- Concrete brick and block walls or precast members
- Exposed aggregate and architectural concrete

ADVANTAGES

- Virtually no odor during application, nonflammable, noncombustible
- Translucent white appearance during application dries to a clear, durable membrane
- Allows concrete surface to develop full design strength by promoting complete hydration during curing process
- Increases abrasion resistance, eliminates dusting
- Improves resistance to freeze/thaw cycling, deicers, salts and other mild chemicals

TECHNICAL DATA

ASTM C 309, Type 1, Class A or B, *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*

Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

Solids Percentage 16%

TECHNICAL DATA CONT.

Drying Time @ 70°F./21°C. with 50% R.H.	
Dry to Touch	1 hour
Open to light traffic	8 hours
Open to heavy traffic	12 hours
Flash Point	>200°F
Weight per Gallon	8.4 lbs
V.O.C Content	128 gm/L

ESTIMATING GUIDE AND PACKAGING

Application rates are dependant on the porosity of the substrate. The following to be used for estimating purposes only. Actual material requirements may require testing,

Curing Fresh Concrete	200 Ft ² / gal
Sealing Broom Finished Concrete	200 Ft ² / gal
Sealing Precast Concrete	300 Ft ² / gal
Sealing Steel Trowel Concrete	400 Ft ² / gal

PACKAGING

SafeSeal is packaged in 5 gallon (18.7 L) plastic pails (36 per pallet) and 55 gallon (207.9 L) drums (4 per pallet).

MIXING

Do not dilute. **SafeSeal** is packaged ready to use. Stir or agitate **SafeSeal** prior to use.

APPLICATION

Use a short nap roller or a low pressure airless sprayer equipped with a fan nozzle. Hold sprayer tip 6-8 inches from the surface of the concrete. Apply uniformly leaving no pinholes or gaps but avoid over applying or puddles.

CURING: Apply **SafeSeal** at 200 square feet per gallon as soon as possible after all bleed water has dissipated and application will not mar surface. For maximum curing efficiency, **SafeSeal** must be applied the same day the concrete is poured. An optional second coat should be applied at right angles to first coat. A second coat will enhance the surface gloss and provide additional protection from deicing chemicals, oils and greases.

FORMED CONCRETE WALLS: If walls are not to receive further treatment, apply immediately after stripping forms or following rubbing operations.



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OLDER CONCRETE AND MASONRY: Clean thoroughly with detergent and high pressure water, removing any dirt, dust, curing or sealing membranes, paints, oil, grease or other contaminants that may prevent adhesion of the **SafeSeal**. Allow surface to dry prior to applying **SafeSeal**. Since **SafeSeal** is a water based product, the concrete may be damp at the time of application, but should not have any puddled water. Apply **SafeSeal** at a rate from 200 to 400 square feet per gallon depending on the texture of the concrete.

CLEANUP

Equipment used in applying **SafeSeal** may be cleaned with soap and water prior to drying.

LIMITATIONS

- **SafeSeal** is compatible with most resilient floor covering adhesives as long as they do not contain strong solvents that may soften the **SafeSeal** film.
- **SafeSeal** is not to be used as a bond breaker on tilt-wall construction.
- During periods of prolonged wetness, **SafeSeal** may blush or whiten but clears as membrane and surfaces dry. This does not effect the performance or durability of the sealer.
- Do not apply **SafeSeal** to surfaces subjected to constant moisture and dampness where appearance is important. Consult ChemMasters for alternate product recommendations.
- Not recommended for brick or concrete pavers.
- Do not use if ambient or surface temperature is below 50°F. In cooler temperature, for best results, warm material to 70°F prior to application.
- Quality curing or sealing compounds and floor treatments 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.

STORAGE

SafeSeal is a water based product and must be protected from freezing. Store tightly closed containers in warm, dry area. Shelf life is one year from date of manufacture

CAUTIONS

May cause skin, eye and respiratory tract irritation. Keep out of reach of children.

All label precautions and MSDS must be fully understood before using this product.

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 MATERIAL SAFETY DATA SHEET 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.