

MONOCHEM

ELASTOSEAL®



Clear Silicone Elastomer

TECHNICAL BULLETIN



MADE IN U.S.A.

PRODUCT DESCRIPTION:

ITEM NO. 7100

MONOCHEM ELASTOSEAL is an silicone fortified, copolymer. It forms a clear, flat, penetrating elastomeric rubber latex that has tenacious mechanical and physical properties. **ELASTOSEAL** is a superior technology that waterproofs and protects concrete, wood, stucco and masonry substrates.

BASIC USES:

ELASTOSEAL is designed for application over vertical exterior or interior substrates. It is recommended for use on new or old, above grade, porous concrete, stucco, wood and masonry surfaces. **ELASTOSEAL** protects against the damaging effects of water, de-icing chemicals, freeze-thaw cycles, and acid rain without altering or changing the surface appearance or texture.

ADVANTAGES:

- Low VOC.
- Water base, non-hazardous, non-toxic.
- Lasts a much longer than other conventional sealers (up to 15-20 years longer).
- Suitable for both damp or dry surfaces.
- Breathable and permeable to water vapor.
- May be applied over substrates previously treated with silanes, siloxanes, and acrylics.
- Paintable with latex or oil base paints (after 24-48 hours)
- Helps control efflorescence, mildew and other moisture related stains.

Product Qualifications	
Cal Green	Yes
SCAQMD	Yes
CARB	Yes
LEED (New Construction)	Yes
LEED (New Schools / CHPS)	Yes

PREPARATION:

1. The cause of a water infiltration problem should be determined. The substrate should be inspected to identify repairs or improvements which may be necessary before application.
2. Prior to application, all cracks, voids, seams, gaps, joints, bee holes, etc larger than 1/16" should be filled with a suitable elastomeric paintable patching material.
3. Alkali, lime, efflorescence, or other surface contaminants must be treated or cleaned with a proper neutralizing agent prior to application.
4. New concrete and stucco must be cured 28 days before application.
5. The surface should be clean, free of all adhesion affecting contaminants and dry (< 15% moisture).
6. The surface must be unsealed and moisture absorbent.

TECHNICAL DATA:

Composition	Water Base - Silicone Elastomer
Active solid by weight (ASTM D2369)	14-16%
Weight per gallon.....	8.5 Lbs
VOC Level (ASTM D3960)	<20 g/L
Flash Point (ASTM D3278).....	>212°F
Drying Time for recoat @77°F	1 Hour
Penetration	3/8 Minimum
Moisture Vapor Transmission (ASTM E96)	86-96% Minimum
(ASTM D1653-03)	86-96% Minimum
Accelerated weathering (ASTM G154) 2,500 Hrs.....	No loss in repellency
Scaling Resistance (ASTM C672) 100 Cycles	No Scaling
NCHRP 244 Series II (AASHTO T259 & AASHTO T260)	
Reduction of Water Absorption.....	86%
Reduction in Chloride Ion	92%
NCHRP 244 Series IV	
Reduction in Chloride Ion	95%
Water Repellency (Absorption) (ASTM C67)	97.6% Reduction
(SS-W-110-C) US Federal Spec.....	97%
(ASTM C140)	90% Effective
(ASTM C642) @ 48 Hours	90% Effective
Elongation (ASTM D412-06A)	440%
Efflorescence Resistance (NBS 883).....	Rated Highest
Surface Appearance	No Change
Warranty	Fifteen Years

LIMITATIONS:

- **ELASTOSEAL** will not prevent water penetration through open joints, structural defects, or cracks.
- It is for porous substrates only.
- It is not meant for use on asphaltic surfaces.
- **ELASTOSEAL** will not form a water-proofing membrane and does not seal inaccessible areas. It will not bridge cracks, fill large pores or compensate for flawed construction. Exposed walls must be capped and the backside of parapet walls must be sealed, flashings must be in place and weep holes and drains installed and functioning (where applicable).

APPLICATION:

ALWAYS TEST PRIOR TO APPLICATION - Allow the area to dry thoroughly before the inspection and approval by the project architect and/or building owner.

This test patch is required to ensure proper results and to determine the approximate coverage and application methods.

- **ELASTOSEAL** should be applied using a spray, brush, or roller.

- **ELASTOSEAL** must be applied in a wet-on-wet application. Each application consists of a light coat that fully wets the surface and breaks the surface tension, followed immediately



THERMAL AND MOISTURE PROTECTION

WATER REPELLENTS 07190

MONOPOLE INC.
UPDATED JULY 2013



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COVERAGE:

Surface Type	Sq. Ft. Per Gal.	Surface Type	Sq. Ft. Per Gal.
Split Face Block	50-70	Aggregate	110-120
Regular Block	60-80	Wood	100-140
Rough Block	50-70	Tilt-Ups	120-140
Smooth Concrete	80-90	Plaster	150-200
Stucco	100-110	Dense Brick	100-140
Old Exterior Brick	90-100	Precast Concrete	120-150

These are estimates and may vary considerably due to the porosity of the recipient substrate. **Concrete Blocks & other rough or porous substrates will require a second coat of Elastoseal. Apply a second coat at 100-140 sq. ft. per gallon.**

with a liberal saturating coat. Allow 6-8"rundown to achieve maximum penetration. Back roll all the rundowns.

- On very porous substrates, such as split face, fluted blocks, lightweight blocks, scored blocks, sandblasted, etc, a second application should be applied when the first application is dry to the touch, or within 2 hours.
- Stir thoroughly before use to avoid settling.

CAUTION:

Do not apply more material than can be absorbed into the surface. Excess material may result in a blotchy or glistening appearance that can attract dust and alter the proper adhesion of subsequent paint applications.

APPLICATION LIMITATIONS:

- ELASTOSEAL** is not intended for below grade waterproofing or for use under hydrostatic pressure.
- Materials should not be applied when the temperature is below 50°F or above 90°F.
- Do not apply if rain is anticipated within 24 hours after scheduled application, or in high winds.
- Allow the surface to dry at least 24 hours after the rain.
- Do not coat the surfaces that are above 15% moisture.
- Do not apply to glazed, non-porous/sealed or curing compound exposed surfaces.
- Test sealed surfaces to ensure proper protection.
- Use the coating as packaged; do not dilute or alter the product.

DRYING TIME:

1. **ELASTOSEAL** will dry to the touch in 1 to 2 hours.
2. It requires 24 hours to set up an initial weather barrier.
3. **ELASTOSEAL** must be allowed to cure for at least three weeks before it is exposed to a water test.

CLEAN UP:

Clean all equipment and tools immediately after use with detergent and water.

PACKAGING & STORAGE:

ELASTOSEAL is packaged in one-gallon cans and five-gallon pails. Store in temperatures between 40°F - 80°F and **PROTECT FROM FREEZING**

SHELF LIFE:

One year in its original unopened container.

WARRANTY:

ELASTOSEAL is backed by a 15 year warranty. It is available on an individual job basis and must be approved prior to application. Contact your distributor or **MONOPOLE'S** service center for further information.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. But it is the end users responsibility to thoroughly test the product in the specific application to determine its performance efficacy and safety. Since use of this product is beyond our control, Monopole, Inc. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specific written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE specifically disclaims any other expressed or implied warranty, including the warranty of merchantability and fitness for use. The exclusive remedy and MONOPOLE's sole liability for breach of warranty is limited to a refund of the purchase price or replacement of product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages. Under no circumstance will MONOPOLE pay labor charges.