

## CLEAR COAT / SEALER TECHNICAL DATA SHEET

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### DESCRIPTION

**SEALMARK CLEAR COAT / SEALER** is an Industrial strength acrylic resin-based Clear Sealer for masonry and concrete surfaces. Composed of a unique blend of polymers, industrial-grade resins, UV absorbers, and a proprietary mixture of algacides and biocides. Provides long-lasting, weatherproof, concrete and masonry surfaces. Incorporates fine micro-sized particles that yield superior adhesion with a flexible coated surface.

- **Treadwear Durability:** The unique formulation ensures a tenacious bond to all properly prepared surfaces and exceptional resistance surface degradation, peeling, and surface delamination.
- **Low Sheen and Transparent**, providing a robust seal while allowing the natural beauty of the brick and stone to be seen.
- **Extreme Weather Protection:** Defies harsh conditions, safeguarding various substrates, while remaining "**Breathable**".
- **Versatile Application:** This flexible, hydrophobic coating can be applied to cured concrete, metal, wood, EIFS (existing or new), stucco, masonry, CIP, cement board, and previously painted stable substrates.
- **Weatherproofing:** Effectively fills and conceals hairline cracks and provides waterproofing and expandability (200% elongation) for masonry and concrete substrates.

### FEATURES & BENEFITS

- ▶ **Weatherproof:** Water resistance, Efflorescence resistance, Hydrophobic, Great Exterior durability.
- ▶ **Low VOC, Formaldehyde free**
- ▶ **Alkali Resistant**
- ▶ **Durability and Flexibility:** Superior adherence and maintains surface integrity, withstands subtle building movements & temperature changes, and remains bonded to the substrate.
- ▶ **Clear / Translucent appearance with low Sheen**
- ▶ **Multi-substrate adhesion**
- ▶ **Penetrating subsurface sealer**
- ▶ **Silicate and high pH stable**

### TECHNICAL SPECIFICATIONS

- **Solids Content:** 45% ( $\pm$  2%) by volume
- **Viscosity:** 86-90 KU (Krebs Units)
- **Dry Time:** Touch dry in 2 hours, recoat in 6-8 hours
- **Elongation:** 200% at break, ensuring flexibility

### USES

**SEALMARK CLEAR COAT / SEALER** Creates a monolithic and seamless coated surface, can be used in various scenarios with ease and effectiveness, making it a preferred choice for new and existing Masonry protection against severe weather conditions. The unique formulation creates a tenacious bond to properly prepared substrate surfaces and is extremely resistant, chipping, peeling, and surface delamination.

- **Water-borne:** **SEALMARK CLEAR COAT / SEALER** prior to curing is water-soluble, making clean up easier.
- **Hydrophobic:** Outstanding water and blush resistance when fully cured and applied in accordance to application procedures.
- **Quick drying times:** Normal drying time is 4 to 6 hours dependent upon normal conditions (75°F / 55% R.H.).
- **Indoor and Outdoor Use:** Low odor formulated and are suitable for both indoor and outdoor use.
- **Tint capable:** Color tints can be added as needed to achieve color stain to masonry, concrete and wood surfaces

- ▶ **Crack Resistance:** Maintains a smooth and uniform appearance.
- ▶ **Treadwear protection:** For walkways Sealmark Clear Coat can be applied to concrete or masonry surfaces for water resistant protecting sealant, reducing staining chipping, and flakes.
- ▶ **Versatile Weather Conditions:** Suitable for industrial and commercial applications in coastal areas, extreme environmental and weather conditions.
- ▶ **Color Tinting:** Color tint can be added to achieve color stain for wood or masonry

- **Tensile Strength:** 300 psi, providing robust performance
- **Adhesion:** Superior adhesion to various substrates demonstrated by the ASTM-D-3359 Tape Cross-Hatch Method. The coating remains fully intact, with 100% adhesion, and exceeded 200 psi on concrete
- **Weather Resistance:** Proven resistance to moisture, and temperature extremes



- **Chemical Resistance:** Resistant to mild acids, alkalis, and salts
- **Coverage Rate:** 200 sq ft per gallon per coat, yielding approximately 8 mil wet film thickness (minimum two coats required)
- **Application Requirements:** Two coats at the specified coverage 8 mil per coat in conjunction with Sealmark application procedures
- **Surface Considerations:** Coverage rates may decrease when applying to unsealed, unprimed, rough, or porous substrates

### ENVIRONMENTAL IMPACT

- **Low VOC Formulation: SEALMARK CLEAR COAT / SEALER** Low VOCs, minimizes impact on indoor and outdoor air quality.
- **Durability and Longevity:** Enhanced durability reduces the need for frequent recoating, decreases waste generation and the environmental impact associated with disposal or recycling.

**COVERAGE** For optimal results, apply **SEALMARK CLEAR COAT / SEALER** to masonry or concrete at a rate of 200 sq ft per gallon per coat with a wet film thickness of

### COMPOSITION

**SEALMARK CLEAR COAT / SEALER** features a specially formulated, acrylic compound designed to provide superior performance and durability. This advanced compound includes the following technical attributes:

- **High-Quality Acrylic Resins:** Utilizes premium acrylic resins to ensure excellent adhesion, flexibility, and long-lasting protection.
- **Enhanced Durability:** penetrating surfactants and select fillers create a subsurface seal that helps withstand harsh weather conditions and UV degradation, chipping, peeling, and surface delamination.
- **Superior Bonding:** The compound forms a tenacious bond with a variety of substrates, cured concrete, masonry, wood, concrete, stucco, and cement board.
- **Environmental Safety:** Water-soluble prior to curing and Non-toxic with low VOC content.
- **Mold and Mildew Resistance:** Contains a unique blend of algaecides and biocides that reduces or prevents growth of mold and mildew
- **Hairline Crack Filling:** fills hairline cracks and maintains a smooth and uniform texture.

8 mils. A minimum of two coats is required to ensure maximum longevity, waterproofing properties, and to qualify for the product warranty.

#### **Important Notes:**

- Coverage rates may vary dependent on surface conditions and/or porous substrates.
- Highly porous, unsealed substrates may require an additional conditioning coat.
- Coverage rates provided are estimates and should be adjusted as necessary.



## WET MIL SQ FT COVERAGE RATES

One gallon volume will spread and cover approximately 1,600 sq ft of smooth surface area 1 mil thick.

To calculate the dry mil thickness of the coating you must know the coatings volume solids.

**One mil is equal to 1/1000 of an inch**

One (1) gallon volume will cover the following sq ft area at the wet mil thickness.

1 mil	1600	sq ft	35 mil	45.7	sq ft
2 mil	800	sq ft	40 mil	40	sq ft
3 mil	533.3	sq ft	45 mil	35.5	sq ft
4 mil	400	sq ft	50 mil	32	sq ft
5 mil	320	sq ft	55 mil	29	sq ft
6 mil	266.6	sq ft	60 mil	24.6	sq ft
7 mil	228.5	sq ft	70 mil	22.8	sq ft
8 mil	200	sq ft	75 mil	21.3	sq ft
9 mil	177.8	sq ft	80 mil	20	sq ft
10 mil	160	sq ft	85 mil	18.8	sq ft
12 mil	133	sq ft	90 mil	17.7	sq ft
15 mil	106.6	sq ft	95 mil	16.8	sq ft
16 mil	100	sq ft	100 mil	16	sq ft
17 mil	94	sq ft	125 mil	12.8	sq ft
18 mil	88.8	sq ft	150 mil	10.6	sq ft
20 mil	80	sq ft	200 mil	9	sq ft
25 mil	64	sq ft	250 mil	6.4	sq ft
30 mil	53.3	sq ft	500 mil	3.2	sq ft

## LIMITATIONS

- SEALMARK CLEAR COAT / SEALER should not be applied to substrates that have been treated with a silicon base water repellent or to any adjacent surface(s) not properly sealed or waterproofed.

## Drying Time

SEALMARK CLEAR COAT / SEALER drying time is influenced by ambient temperature and humidity levels. environmental conditions prior to applying coating to ensure optimal drying performance.

- Ambient Conditions:** The drying time of SEALMARK CLEAR COAT / SEALER depends on ambient air temperature and relative humidity (RH).
- Normal Conditions:** Under normal conditions (70°F and 55% RH), a minimum of 6 hours is required for acceptable curing before applying a second coat.
- Complete Cure:** The coating reaches complete cure after 24 hours.
- Extended Drying Time:** High relative humidity, damp conditions, and cool temperatures will extend the drying time.

**Note: Surface conditions must be free of bond-breaking materials. Two coats (8 mils each coat SEALMARK CLEAR COAT / SEALER must be applied to meet the requirements and a completed and signed "Request for Warranty" for the limited material warranty.**

## APPLICATION

SEALMARK CLEAR COAT / SEALER is versatile and can be applied to a wide range of surfaces, including existing cured concrete, masonry, stucco, glazed brick, wood, metals, and other structurally stable or painted substrates.

### **Application Note:**

For optimal results, should be applied for consistent coverage of protective layers on previously unpainted surfaces follow by two coats of SEALMARK CLEAR COAT / SEALER to ensure maximum performance and compliance with the warranty requirements.

## USABLE LIFE AND STORAGE

Coating must be stored at a continuous environmental temperature of at least 45°F or higher. Storing in temperatures closer to normal room temperature 70°F will result in easier application. ALWAYS AVOID FREEZING. Always store in tightly sealed container and away from direct sunlight. The shelf life is for a period of 1-year after the product's manufactured date.

## PACKAGING INFORMATION

SEALMARK CLEAR COAT / SEALER is available in 5 gal (19 L) pails. Or 55-gal Drum upon request.

## HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Please see our website for further information or consult your local Sealmark representative.

## WARRANTY

SEALMARK CLEAR COAT / SEALER is subject to a written limited warranty upon request for qualified applications.



## PROCEDURES

### Job Conditions

Temporary protection shall always be provided for a specified duration until the **SEALMARK CLEAR COAT / SEALER** has achieved a completely cured state to protect from all weather, natural elements, and other potential damage.

### Surface Preparation

1. **Surface Condition:** Ensure the surface is clean, dry, and structurally stable. The surface temperature should be above 45°F.
2. **Contaminant Removal:** The surface must be free from grease, oils, solvents, and silicone-based products that could compromise bond integrity.
3. **Substrate Aging:** For concrete, brick, or masonry walls, allow the substrates to age for a minimum of 30 days. The surface pH must not exceed 9.
  - **PH Adjustment:** To lower the pH, wash the substrate with a mild solution of citric acid and clean water. Rinse thoroughly with clean water and allow the surface to dry completely before proceeding with the coating application.
4. **Priming:** For extremely porous substrates an additional application of the **SEALMARK CLEAR COAT / SEALER** may be required to achieve the desired effect.
5. **Material Compatibility:** Note that Sealmark coatings cannot be applied to asphalt or certain plastic materials.

### Mixing Procedures

To ensure optimal performance and consistency of the **SEALMARK CLEAR COAT / SEALER**, follow these detailed mixing procedures:

1. **Preparation:**
  - Ensure the pail of **SEALMARK CLEAR COAT / SEALER** is at room temperature (above 45°F) before mixing.
  - Gather necessary equipment: a low RPM drill (300-450 RPM) and a standard paint mixing bit.
2. **Mixing:**
  - **Step 1:** Open the pail and inspect the contents for any separation or settling.
  - **Step 2:** Insert the paint mixing bit into the low RPM drill.
  - **Step 3:** Submerge the mixing bit into the coating, ensuring it reaches the bottom of the pail.
  - **Step 4:** Start the drill at a low speed to avoid splashing and mix gently for 60 seconds. Move the mixing bit in a circular motion and up and down to ensure thorough blending of all components.
  - **Step 5:** After 60 seconds, stop the drill and lift the mixing bit out of the pail slowly to allow excess coating to drip back into the pail.
3. **Inspection:**
  - Check the consistency of the coating. It should be uniform and free of lumps or unmixed material.
  - If necessary, repeat the mixing process for an additional 30 seconds to achieve the desired consistency.
4. **Application Readiness:**
  - Once mixed, **SEALMARK CLEAR COAT / SEALER** is ready for application. Use immediately to ensure the best results.

**Safety Note:** Always wear appropriate personal protective equipment (PPE) such as gloves, goggles, and a dust mask during the mixing process to protect against splashes and fumes. Following these procedures will help ensure the **SEALMARK CLEAR COAT / SEALER** is properly mixed and ready for application, providing optimal performance and durability.



### Application Procedures

No special tools are required for the correct application of **SEALMARK CLEAR COAT / SEALER**. However, using the appropriate tools and techniques will ensure optimal results:

1. **Tools Required:**
  - **Heavy-Duty Paint Roller/Applicator:** Ideal for large, flat surfaces. Use a roller with a high-quality, lint-free cover to apply the coating uniformly. Nap thickness may be determined by the desired effect.
  - **High-Quality Brush:** Suitable for detailed work and edges. Ensure the brush is clean and free of loose bristles.
  - **Airless Sprayer:** For large or complex surfaces, an airless sprayer can be used. The sprayer should operate at 1,500 psi with a minimum tip size of 0.019 inches (19/1000th).
2. **Application Technique:**
  - **Roller Application:** Load the roller evenly with **SEALMARK CLEAR COAT / SEALER**. Apply the coating in a consistent, uniform manner to completely cover the prepared substrate. Avoid overloading the roller to prevent drips and uneven coverage.
  - **Brush Application:** Dip the brush into the coating and apply with smooth, even strokes. This method is best for corners, edges, and detailed areas where a roller cannot reach.
  - **Sprayer Application:** Set the airless sprayer to 1,500 psi and use a tip size of 0.019 inches. Apply the coating in a steady, overlapping pattern to ensure even coverage. Maintain a consistent distance from the surface to avoid runs and sags.
3. **Important Considerations:**
  - **Do Not Back-Roll or Brush Over Applied Areas when product is tacking up:** Once **SEALMARK CLEAR COAT / SEALER** has been applied, do not back-roll or brush over the area until it is completely dry. Back-rolling or brushing can disrupt the uniformity and coverage of the coating, leading to an uneven finish.
  - **Drying Time:** Allow the coating to dry before applying additional coats or exposing the surface to weather conditions.
4. **Safety Precautions:**
  - Wear appropriate personal protective equipment (PPE) such as gloves, goggles, and a dust mask during application.
  - Ensure adequate ventilation in the work area to minimize inhalation of fumes.

Following these procedures will help achieve a smooth, durable, and aesthetically pleasing finish with **SEALMARK CLEAR COAT / SEALER**. If you have any further questions or need additional guidance, contact your local representative.

### Cleaning Procedures

Use soap and water for clean-up. System materials are water-borne and are non-toxic. Prior to curing, system materials are water soluble. Clean up any spills, overspray, or residue of the system materials before they have time to set. Cured or dried system materials are not water soluble and may prove to be difficult to impossible to remove without damage to substrate or other materials upon which they have dried. Dispose of waste materials and empty containers into an approved waste disposal facility. Never dump materials into storm drainages, sanitary sewers, or into bodies of water.

### CAUTIONS

To ensure easy clean-up of **SEALMARK CLEAR COAT / SEALER**, take appropriate steps such as properly tarping/securing the application area to prevent unintended application, as the product may be difficult to remove.

**NOTE: Certain wall substrates may have been coated with a clear silicon water repellent, which can adversely affect the adhesion of Sealmark products. If the presence of silicon treatment is unknown, it is recommended to apply a test application to the substrate and check adhesion after curing.**

