

# Emerald®

## Exterior Acrylic Satin

### K48-Series



**SHERWIN  
WILLIAMS.**

#### CHARACTERISTICS

**Emerald® Exterior Acrylic Latex** is our "best-In-Class" exterior architectural house paint.

- Excellent durability, resistant to blistering, peeling, and dirt pick-up
- Self-priming (2 coats new construction, 1 coat repaint)
- Low temperature application down to 35° F.
- Easy application, flow and leveling
- Uses a patented cross-linking 100% acrylic technology

**VinylSafe™** paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

**Color:** Most Colors

**Coverage:** 250-300 sq. ft. per gallon  
@ 5.3-6.4 mils wet, 2.1-2.5 mils dry,

**Drying Time, @ 50% RH:**

**@35-45°F @45°F+**

Touch: 2 Hours 1 Hour  
Recoat: 24-48 Hours 4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent.

**Finish:** 10-20 units @ 60°

**Tinting with CCE only:**

| Base:          | oz. per gallon | Strength  |
|----------------|----------------|-----------|
| Hi Refl White  | 0-7            | SherColor |
| Extra White    | 0-7            | SherColor |
| Deep Base      | 4-14           | SherColor |
| Ultradeep Base | 10-14          | SherColor |

**Extra White K48W00051**  
(may vary by color)

**V.O.C.(less exempt solvents):**

Less than 50 grams per litre; 0.42 lbs. per gallon  
As per 40 CFR 59.406

|                           |   |
|---------------------------|---|
| <b>Volume Solids:</b>     | 39 ±2%                                  |
| <b>Weight Solids:</b>     | 53 ±2%                                  |
| <b>Weight per Gallon:</b> | 10.68 lbs                               |
| <b>Flash Point:</b>       | N.A.                                    |
| <b>Vehicle Type:</b>      | 100% Acrylic                            |
| <b>Shelf Life:</b>        | 36 months, unopened                     |
| <b>WVP Perms (US)</b>     | 19.50 grains/(hr ft <sup>2</sup> in Hg) |

#### **Mildew Resistant**

This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

#### COMPLIANCE

As of 05/08/2024, Complies with :

|                                      |     |
|--------------------------------------|-----|
| <b>OTC</b>                           | Yes |
| <b>OTC Phase II</b>                  | Yes |
| <b>S.C.A.Q.M.D.</b>                  | Yes |
| <b>CARB</b>                          | Yes |
| <b>CARBSCM 2007</b>                  | Yes |
| <b>CARB SCM 2020</b>                 | Yes |
| <b>Canada</b>                        | Yes |
| <b>LEED® v4 &amp; v4.1 Emissions</b> | N/A |
| <b>LEED® v4 &amp; v4.1 V.O.C.</b>    | Yes |
| <b>EPD-NSF® Certified</b>            | N/A |
| <b>MIR-Manufacturer Inventory</b>    | N/A |
| <b>MPI®</b>                          | Yes |

#### APPLICATION

When the air temperature is at 35°F (1.7°C), substrates may be colder; prior to painting, check to be sure the air, surface, and material temperatures are above 35°F (1.7°C) and at least 5° above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Do not apply at air or surface temperatures below 35°F (1.7°C) or when air or surface temperatures may drop below 35°F (1.7°C) within 48 hours.

No reduction needed.

**Brush:** Use a nylon-polyester brush such as Purdy® Pro-Extra®.

**Roller:** Use a high quality polyester roller cover such as Purdy® Marathon®.

For additional specific brushes and roller cover recommendations, please refer to our Brush and Roller Guide on the Sherwin-Williams website.

**Spray - Airless:**  
Pressure 2000 p.s.i.  
Tip .015-.019 inch

#### APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Thoroughly follow the recommended surface preparations. Most coating failures are due to inadequate surface preparation or application. Thorough surface preparation will help provide long term protection with **Emerald** coating. On repaint work, apply one coat of **Emerald** coating: on bare surfaces, apply two coats of **Emerald**, allowing 4 hours drying between coats.

Do not paint in direct sun. Apply at temperatures above 35°F. During application at temperatures above 80°F, **Emerald** sets up quickly. Some adjustment in your painting approach may be required. Paint from a dry area into the adjoining wet coating area. Dries to touch in 1 hour and is ready for service overnight.

On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

#### SPECIFICATIONS

**Emerald Exterior Acrylic Latex** is self-priming on most surfaces. Apply 2 coats on new, bare substrates or 1 coat for repaint.

Use on these properly prepared surfaces:

**Aluminum & Aluminum Siding<sup>1</sup>**

**Galvanized Steel<sup>1</sup>**

**Concrete Block**

**Split face Block**

**Cement Composition Siding/Panels**

**Stucco**

**Concrete**

**Plywood**

**Wood**

**\*Vinyl Siding**

Surfaces with a pH greater than 9 must be primed with a high pH-resistant coating such as Loxon Concrete & Masonry Primer.

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application limitations.

Concrete masonry units (CMU) - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfer. The filler must be thoroughly dry before topcoating.

Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, the first coat of **Emerald** may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using **Emerald**.

<sup>1</sup> On large expanses of metal siding, the air, surface, and material temperatures must be 50°F (10°C) or higher.

# **Emerald®**

## **Exterior Acrylic Satin**

### **SURFACE PREPARATION**

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

#### **Aluminum and Galvanized Steel:**

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

#### **Cement Composition Siding/Panels:**

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer. After power washing, previously painted masonry may still have a powdery surface that should be sealed with Loxon Conditioner and then apply 1 coat of **Emerald**.

#### **Caulking:**

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface. Allow proper drying time before application of the finish.

#### **Concrete, Masonry, Cement, Block:**

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.

#### **Concrete masonry units (CMU):**

Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfer. The filler must be thoroughly dry before topcoating.

#### **Composition Board/Hardboard:**

Because of the potential for wax bleeding out of the substrate, apply 1 coat of Exterior Oil-Based Wood Primer and then topcoat.

#### **Stucco:**

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

### **SURFACE PREPARATION**

#### **Mildew:**

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

#### **Previously Painted Surfaces:**

Spot prime bare areas with **Emerald**, wait 4 hours, and paint the entire surface. Some specific surfaces require specialized treatment.

#### **Steel:**

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed with a corrosion resistant primer such as All Surface Enamel Primer the same day as cleaned.

#### **Unpainted Surfaces:**

**Emerald** can be used as a self-priming coating on many bare surfaces. When used this way, the first coat of **Emerald** acts like a coat of primer and the second coat provides the final appearance and performance.

#### **\*Vinyl or other PVC Building Products:**

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly. If needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

#### **Wood, Plywood, Composition Board:**

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, the first coat of **Emerald** may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using **Emerald**.

### **CAUTIONS**

For exterior use only.  
Protect from freezing.  
Non-Photochemically reactive.  
Not for use on floors

Before using, carefully read **CAUTIONS on label**.

**ZINC:** Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

**FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

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### **CLEANUP INFORMATION**

Clean spills, spatters, hands, and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.