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Emerald®
Exterior Acrylic Satin

K48-Q Series

CHARACTERISTICS

Emerald Exterior Acrylic Latex is our "Best-In-Class" exterior architectural house paint.

•Excellent durability, resistant to blistering, peeling and dirt pick-up

•Excellent application, flow and leveling

•Self-priming (2 coats new construction, 1 coat repaint)

•Low temp application – down to 1.7°C (35°F)

•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:

	1,7°/7,2° C 35-45°	7,2°C+ 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:
Extra White	0-7	SherColor
Deep Base	4-14	SherColor
Ultradeep Base	10-14	SherColor

Extra White K48WQ8151
(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

Volume Solids: 39 ± 2%
Weight Solids: 53 ± 2%
Weight per Gallon: 4.4 kg (10.67 lbs)
Flash Point: N/A
Vehicle Type: 100% Acrylic
Shelf Life: 36 months unopened

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

COMPLIANCE

As of 10/22/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N.A.
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

When the air temperature is at 1.7°C (35°F), substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 1.7°C (35°F) and at least -15°C (5°F) 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 1.7°C (35°F) or when air or surface temperatures may drop below 1.7°C (35°F) within 48 hours.

No reduction necessary.

Brush: Use a nylon-polyester brush

Roller: Use a high quality polyester roller cover

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	0,38 à 0,48 mm (0,015 à 0,019 po)

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 1.7°C (35°F). During application at temperatures above 26.7°C (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 10°C (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[1]

Galvanized Steel[1]

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 10°C (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 10°C (50°F) before filling. Use Loxon Acrylic Block Surfacer. 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 Coating** 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 Coating.**

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

continued on back

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SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

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 10°C (50°F) before filling. Use Loxon Acrylic Block Surfacer. 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 water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with 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 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**

MAY IRRITATE EYES. Do not get in eyes. Keep out of reach of children. **FIRST AID TREATMENT**. Contains: Surfactants. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes.

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CLEANUP INFORMATION

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

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.