

Loxon® XP**Waterproofing Masonry Coating - Satin**

LX21-50 Series

**SHERWIN
WILLIAMS.****CHARACTERISTICS**

Loxon XP is an exterior, high build coating that provides excellent flexibility, durability, and weather resistance. This product will protect against wind-driven rain when used on concrete, CMU, stucco and shotcrete/gunitite. It is highly alkali and efflorescence resistant. This may be applied to a surface with a pH of 6 to 13.

Apply directly to fresh concrete (at least 7 days old)

Shotcrete-gunitite surfaces may be painted after 3 days

Can be applied over high pH (up to 13) substrates, no primer required

Can be applied down to 35°F

Finish: 10-20 units @ 60°

Color: Most Colors

1 coat system, brush, roller, or spray applied, coverage per coat:

Wet mils: 17-21.5
Dry mils: 6.5-8.2
Coverage: 75-95 sq. ft. per gallon
Can be applied up to 40 mils wet.
Coverage will vary with the substrate and the texture.
Coverage on porous & rough stucco 80 square feet per gallon.

Drying Schedule @ 50% RH:

	@35-45°F	@45+°F
To touch	6 hours	4 hours
To recoat	24-48 hours	24 hours

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

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep	10-12	SherColor
Light Yellow	0-12	SherColor

Extra White LX21W0051

(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: 38 ±2%
Weight Solids: 52 ±2%
Weight per Gallon: 10.49 lbs
Flash Point: N.A.
Vehicle Type: Proprietary 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 10/25/2023, 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	N/A
MIR-Manufacturer Inventory	N/A
MPI®	No

APPLICATION**Temperature:**

minimum 35°F
The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Do Not Reduce

Airless Spray:

Pressure 2300 p.s.i.
Tip .021 inch

Brush: Use a nylon-polyester brush

Roller Cover:

1/2-1 1/2 inch nap synthetic roller cover

The substrate and its condition will determine the application procedure. Considerations to minimize pinholes:

- 2 coat application with overnight drying between coats
- Spray application with backrolling
- Power rolling

Spray and backroll on porous & rough stucco to achieve required film build and a pin-hole free surface.

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

Do not reduce.

APPLICATION TIPS

For proper waterproofing performance and to resist alkalies, 2 coats of the coating **MUST** be applied between 17.0 -21.5 mils wet per coat.

A total dry film thickness of 13 - 16.4 mils of topcoat and a surface with 10 or less pinholes per square foot is required for a waterproofing system.

For extremely porous block a coat of Loxon Block Surfacers may be required to achieve a pinhole free surface.

For rehabilitating existing concrete water tanks, additional products may be used.

RECOMMENDED SYSTEMS**Concrete, Stucco, Concrete Block, CMU, Split-face Block, and other Cementitious surfaces:**

1 coat of Loxon Block Surfacers (if needed) or
1 coat Loxon Conditioner (if needed)
or
1-2 coats Loxon XP

Previously Coated in good condition:

After power washing, apply 1 coat of Loxon XP over the surface.

Incidental Wood:

1 coat Exterior Latex Primer
1-2 coats Loxon XP

Incidental Metal:

(steel, galvanized, or aluminum)
1 coat Pro Industrial™ Pro-Cryl® Primer
1-2 coats Loxon XP

Waterproofing System:

- Two coats of topcoat
- 6.5 to 8.2 mils dft per coat
- 13 to 16.4 mils total dry film thickness
- 10 or less pinholes per square foot

Loxon® XP

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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.

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.

Concrete, CMU Stucco:

On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Concrete and mortar must be cured at least 7 days at 75°F. Fill bugholes, air pockets, cracks, and other voids with an elastomeric patch or sealant. Rough surfaces can be filled to provide a smooth surface.

Incidental Metal:

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

Incidental Wood:

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. Primer required.

Sealing and Patching:

After cleaning the surface thoroughly, prime the concrete surface with Loxon XP, apply an elastomeric patch or sealant if needed, allow to dry, then topcoat.

To improve the performance, consider:

- Use caution when preparing the substrate to create a uniform surface.
- Cracks, crevices, and through-wall openings must be patched with an elastomeric patch or sealant.
- Fill voids and openings around window and doors with an elastomeric patch or sealant.
- Stripe coat all inside and outside corners and edges with 1 coat of Loxon XP coating.

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.

PHYSICAL PROPERTIES

Do not paint on wet surfaces.

LX21W0051

Wind-Driven Rain Test:

Method: ASTM D6904-03
Result: Pass
2 coats Loxon XP @ 5.1 mils dft per coat

Water Vapor Permeance:

Method: ASTM D1653
Result: 18 perms
2 coats Loxon XP @ 4.5-mils dft per coat
14 day cure @ 77°F & 50% RH

Elongation:

Method: ASTM D2370
Result: 308%
2 coats Loxon XP @ 4.4-mils dft per coat
14 day cure @ 77°F & 50% RH

Tensile Strength:

Method: ASTM D2370
Result: 172 p.s.i.
2 coats Loxon XP @ 4.4-mils dft per coat
14 day cure @ 77°F & 50% RH

Flexibility:

Method: ASTM D522
Result: Pass

Alkali Resistance:

Method: ASTM D1308
Result: Pass

Chloride Ion Permeability:

Result: 1166 coulombs average
Result: "Low" Permeability Class

Efflorescence:

Method: ASTM D7072-04
Result: Pass (None)

Crack Bridging: Class A5

Method: EN 1602-7 Method A
Result: up to 0.5 mm @ -10°C Pass

SAFETY PRECAUTIONS

For exterior use only.

Protect from freezing.

Non-photochemically reactive.

Not for use on horizontal surfaces (floors, roofs, decks, etc.) where water will collect.

Not for use below grade. Will not withstand hydrostatic pressure.

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.