Loxon® XP
Waterproofing Masonry Coating-Flat
LX11-50 Series

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/gunite. 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/gunite 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

Color: Most Colors
1 coat system, brush, roller, or spray applied, coverage per coat:
- Wet mils: 14-18
- Dry mils: 6.5-8.4
- Coverage sq.ft. per gallon 90-115

Drying Schedule @ 50% RH: temperature and humidity dependent
- @35-45°F @ 45°F+
  - Touch: 6 hrs
  - Recoat: 24-48 hrs

Drying time is temperature, humidity, and film thickness dependent.

Finish: 0-10 units @ 85°
Tinting with CCE only:
- Base oz/gal
  - Extra White 0-6 SherColor
  - Deep Base 4-12 SherColor
  - Ultradeep 10-12 SherColor
  - Light Yellow 0-12 SherColor

Extra White LX11W0051
(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 59.408
Volume Solids: 47 ± 2%
Weight Solids: 61 ± 2%
Weight per Gallon: 11.47 lb
Flash Point: NA
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. Passes ASTM D3273/D3274

COMPLIANCE

As of 07/09/2019, Complies with:
- OTC
- OTC Phase II
- SCAQMD
- CARB
- CARB SCM 2007
- Canada
- LEED® v4 & v4.1 Emissions N/A
- LEED® v4 & v4.1 V.O.C. Yes
- EPD-NSF® Certified N/A
- MIR-Product Lens Certified N/A
- MPI Yes

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 Use a ½ to 1½ 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

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APPLICATION TIPS

For proper waterproofing performance and to resist alkalies, 2 coats of the coating MUST be applied between 14.0 -18.0 mils wet per coat.
A total dry film thickness of 13 - 16.8 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 Surfacer 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 ct. Loxon Acrylic Block Surfacer
- 1-2 cts. Loxon XP

Previously Coated in good condition:
- After power washing, apply 1 coat of Loxon XP over the surface.

Incidental Wood:
- 1 ct. Exterior Latex Wood Primer
- 1-2 cts. Loxon XP

Incidental Metal:
- (steel, galvanized, or aluminum):
  - 1 ct. Pro Industrial Pro-Cryl Primer
- 1-2 cts. Loxon XP

Waterproofing System:
- Two coats of topcoat
- 6.5 to 8.4 mils dft per coat
- 13 to 16.8 mils total dry film thickness
- 10 or less pinholes per square foot
Loxon® XP
Waterproofing Masonry Coating-Flat

**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. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. 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.

**PHYSICAL PROPERTIES**

Do not paint on wet surfaces.

**Wind-Driven Rain Test:**
- Method: ASTM D6904-03
- 2cts Loxon XP @ 6.4-8.3 mils dft/ct

**Water Vapor Permeance:**
- Method: ASTM D1653 14 day cure @ 77°F & 50% RH
- 2cts Loxon XP @ 6.5 mils dft/ct

**Elongation:**
- Method: ASTM D2370, 14 day cure @ 77°F & 50% RH
  - 1ct Loxon XP @ 9.4 mils dft

**Tensile Strength:**
- Method: ASTM D2370, 14 day cure @ 77°F & 50% RH
  - 1ct Loxon XP @ 9.4 mils dft

**Flexibility:**
- Method: ASTM D522
  - Result: Pass

**Alkali Resistance:**
- Method: ASTM D1308
  - Result: Pass

**Chloride Ion Permeability:**
- Result: 243 coulombs

**CO₂ Diffusion** (anti-carbonation):
- Method: ASTM F2476
  - Result: 344 meters equivalent air thickness >50 meters to pass
  - Result: 8.0 g/m²/24 hrs

**Crack Bridging:**
- Method: EN 1062-7 Method A
  - Result: up to 2.5 mm @-10°C

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.