ConFlex XL High Build Coating is an elastomeric coating that provides excellent flexibility, durability, and weather resistance. This product will protect against wind-driven rain when used on tilt-up, precast, or poured-in-place concrete, CMU, brick, and stucco. This may be applied to a surface with a pH of 6 to 12.

**Color:** Most colors
To optimize hide and color development, always use the recommended P-Shade primer.

Two coat system, brush, roller, or spray applied, coverage per coat:
- 100-125 sq ft/gal
- 13.0-16.0 mils wet
- 6.0-7.5 mils dry

Coverage will vary with the substrate and the texture.

**Drying Time, @ 77°F, 50% RH:**
- 4 hours Touch
- 24 hours Recoat

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

**Flash Point:** N/A

**Finish:** 0-10 units @ 85°

**Tinting with CCE:**
- Base oz/gal Strength
- Extra White 0-5 100%
- Deep Base 4-12 100%
- Ultradeep 4-12 100%
- Vehicle Type: 100% Acrylic
- A05W00451

**VOC (less exempt solvents):**
- <50 g/L; <0.42 lb/gal
- As per 40 CFR 59.406 and SOR/2009-264, s.12

**Volume Solids:** 48 ± 2%

**Weight Solids:** 63 ± 2%

**Weight per Gallon:** 11.5 lb

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

**ConFlex XL High Build Coating**

**PHYSICAL PROPERTIES**

**Wind-Driven Rain Test**
- Passes ASTM D6904-03
  - 1 ct Loxon Primer at 3.2 mils dft
  - 2 cts ConFlex XL at 6.0-7.5 mils dft/ct

**Water Vapor Permeance**
- 13.4 perms
  - Based on ASTM D1653
  - 1 ct ConFlex XL at 9.4 mils dft,
  - 14 day cure @ 77°F & 50% RH

**Elongation**
- 350%
  - ASTM D2370
  - 1 ct ConFlex XL at 9.4 mils dft,
  - 14 day cure @ 77°F & 50% RH

**Tensile Strength**
- 350 psi
  - ASTM D2370
  - 1 ct ConFlex XL at 9.4 mils dft,
  - 14 day cure @ 77°F & 50% RH

**Freeze - Thaw Resistance**
- Passes
  - Based on ASTM D2243

**Low Temperature Flexibility**
- Passes
  - ASTM D522 - Method B @ 10°F

**SPECIFICATIONS**

A total dry film thickness of 12 - 15 mils of topcoat and a surface with 10 or less pinholes per square foot is required for a waterproofing system.

**Concrete, Stucco**
Pressure clean to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalk, form release agents, moisture curing membranes, etc. Remove all millings, chalk, form release agents, moisture curing membranes, etc. should be sealed with the appropriate primer/sealer.

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

**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, 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.

**Concrete, Stucco**
Pressure clean to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalk, form release agents, moisture curing membranes, etc. Remove all millings. Allow the surface to dry thoroughly. Concrete and mortar must be cured at least 7 days at 75°F. 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. Fill bugholes, air pockets, cracks, and other voids with an elastomeric patch or sealant.
Masonry surfaces must be dry, 15% or less of water, and within a pH range of 6 to 12. If the pH is above 12, prime the surface first with Loxon Primer or Loxon Surfacr.
To repair openings and cracks:

- Patch cracks, crevices, and openings with 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.
- Patch cracks, crevices, and openings with an elastomeric patch or sealant.
- Stripe coat all inside and outside corners and edges with 1 coat of ConFlex XL High Build Coating Smooth.

**Surfacing Preparation**

Sealing and Patching—After cleaning the surface thoroughly, prime any bare surface with Loxon Acrylic Primer, apply an elastomeric patch or sealant if needed, allow to dry, then topcoat.

To repair openings and cracks:

No greater than 1/32" wide:
Apply one coat of Loxon Acrylic Primer and follow with 1 or 2 coats of ConFlex XL High Build Coating.

From 1/32" up to 1/16" wide:
Bridge over voids and small cracks up to 1/16" wide with an elastomeric patch or sealant. The product must be feathered to zero at the edges using a brush, knife, or trowel, to prevent the repaired area from telegraphing through the subsequent finish. Do not apply more than 1/4" in depth in one application.

From 1/16" to 3/8" wide:
Cracks and voids between 1/16" and 3/8" wide should be opened to a sound surface. Flush out the opening to remove all dust. If dust is still evident, seal the surface with Loxon Conditioner to bind the dust to the surface.

Fill the opening with an elastomeric patch or sealant; provide a small crest over the opening to allow for shrinkage. The product must be feathered to zero at the edges using a brush, knife, or trowel, to prevent the repaired area from telegraphing through the subsequent finishes. Do not apply more than 1/4" in depth in one application. Allow this to cure 24 hours.

**Application**

The depth of the opening should be 1/2 the width of the joint, with a maximum depth of 1/2". In deep openings, the depth of the Sealant should be controlled with a closed cell, “non-gassing” type backer rod. The backer rod should be about 1/8" wider than the opening. Do not apply more than 1/4" in depth in one application. If the opening is 1/4" or greater, for maximum performance, prevent 3 point adhesion with backer rods or bond breaker tape. Three point adhesion problems occur in cracks when the sealant adheres to the walls and the bottom of a crack, and a significant amount of flexibility is lost. Two point adhesion - wall to wall in a crack - using backer rods or bond breaker tape offers the maximum flexibility and performance.

- **Application**
  - **Surface Preparation**
    - The depth of the opening should be 1/2 the width of the joint, with a maximum depth of 1/2". In deep openings, the depth of the Sealant should be controlled with a closed cell, “non-gassing” type backer rod. The backer rod should be about 1/8” wider than the opening. Do not apply more than 1/4” in depth in one application. If the opening is 1/4” or greater, for maximum performance, prevent 3 point adhesion with backer rods or bond breaker tape. Three point adhesion problems occur in cracks when the sealant adheres to the walls and the bottom of a crack, and a significant amount of flexibility is lost. Two point adhesion - wall to wall in a crack - using backer rods or bond breaker tape offers the maximum flexibility and performance.
  - **Application**
    - Apply at temperatures between 50°F and 100°F. Do not reduce.
    - Brush - Use a nylon/polyester brush. Avoid over-brushing which causes air bubbles.
    - Roller - Use a ½” to 1½” nap synthetic roller cover. Avoid rapid rolling which causes bubbling.
    - Spray—Airless
      - Pressure, minimum ............... 2300 psi
      - Tip, minimum.......................... 0.21”

**Cleanup Information**

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

**Cautions**

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 on overhead horizontal surfaces (under sides of balconies, soffits, etc.)
- Not for use below grade. Will not withstand hydrostatic pressure.

**ConFlex XL**

Smooth Elastomeric High Build Coating A5-400 Series