

ConFlex®

Flexible Concrete Waterproofer-Smooth

CF14W0051 Extra White, CF14W0053 Deep Base


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

ConFlex® Flexible Concrete Waterproofer-Smooth is an interior-exterior flexible and breathable waterproof coating using a unique acrylic resin.

It is used to waterproof all types of above or on-grade concrete and masonry including foundations, block walls, balconies, window and door openings, walkways, parapets, planter boxes, and vertical or horizontal concrete substrates.

Advantages

- Apply to concrete (less than 28 days old)
- Can be applied on pH (up to 13) substrates
- Primer not typically required over properly prepared surfaces.

Color: Most Colors

Coverage: 135-160 sq. ft. per gallon
 Wet mils: 10-12
 Dry mils: 4.6-5.5
 Coverage will vary with the substrate and the texture.

Drying Schedule 77°F @ 50% RH:

To touch 1 hour
To recoat 4 hours
Foot traffic 24 hours
 Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: Flat

Tinting with CCE:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor

Extra White CF14W0051
 (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:	46 ±2%
Weight Solids:	62 ±2%
Weight per Gallon:	11.57 lbs
Flash Point:	N.A.
Vehicle Type:	Acrylic
Shelf Life:	36 months, unopened

COMPLIANCE

As of 10/17/2023, 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	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Temperature: Apply between 50°F-100°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: No reduction necessary

Texture Sprayer-Low Pressure
Tip Orifice: 4

Brush: Use a nylon-polyester brush

Roller: Use a ¾ to 1 ½ inch nap synthetic cover
 Avoid over-brushing and rapid rolling which causes air bubbles.

Notched squeegee with back roll: Use proper finish roll application technique to avoid roller tracking.

Apply only to a sound, clean, and dry surface.

OVER-COATING

ConFlex Flexible Concrete Waterproofer can be used as a stand-alone product or may be over-coated to provide a surface that will be smoother and easier to keep clean and to improve the abrasion resistance in areas that see significant foot traffic.

Over-coating should be done after the **ConFlex** has dried for at least 4 hours (77°F and 50% RH) and before it is exposed to any use. Follow all application and dry time information found on the label and data page for the specific over-coat.

Slip Resistance:

Some surfaces may require a slip resistant additive for safety. Add H&C SharkGrip® Slip Resistant Additive to the final coat applied following label directions. This product should not be used in place of a non-skid finish.

RECOMMENDED SYSTEMS

2 coats of the **ConFlex Flexible Concrete Waterproofer** at 10 - 12 wet mils per coat and a surface with 10 or less pinholes per square foot is required for a waterproofing system. Coverage will vary depending on the porosity and texture of the substrate.

For maximum protection and washability:

2 coats of the following clear coat are recommended:

Interior and Exterior Use, Low/Medium traffic pedestrian areas:

2 coats **H&C™ Clarishield™ Waterbased Wet Look Sealer**

If a stucco finish is to be applied over the **ConFlex Flexible Concrete Waterproofer**, follow the stucco manufacturer's recommendations.

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.

Caulking:

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Concrete, 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.

Stripe coat all inside and outside corners and edges with **ConFlex Flexible Concrete Waterproof**.

CMU: Remove all dirt, dust, mildew, loose particles, laitance, foreign material, peeling and defective coatings, chalk, form release agents, moisture curing membranes, etc. All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. If painting cannot wait 30 days, allow the surface to cure 7 days at 75°F and prime the surface with Loxon Acrylic Block Surfacers to fill block.

Fill bugholes, air pockets, cracks, and other voids with an elastomeric patch or sealant. Rough surfaces can be filled to provide a smooth surface.

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

CF14W0051
(may vary by base)

Abrasion Resistance:

Method: ASTM D4060-01 (1,000 cycles)
Result: .04 gram loss

Water Vapor Permeance:

Method: Based on ASTM D1653
Result: 16.00 perms

Elongation:

Method: ASTM D412
Result: 250%

Tensile Strength:

Method: ASTM D412
Result: 215 p.s.i.

Flexibility:

Method: ASTM D522 - 1/8 inch mandrel
Result: Pass

Static Coefficient of Friction:

Method: Based on ASTM D1894
Result: 1.02

CAUTIONS

Protect from freezing.

Not recommended for roofing applications or as a primary waterproofing over occupied space.

Not recommended for bridging joints or dynamic cracks in concrete.

Not for use in areas subject to vehicle traffic.

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

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

CRYSTALLINE SILICA, 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. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. 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. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **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.