



CCW-501WA

WATER ACTIVATED BASECOAT

DESCRIPTION

CCW-501WA (Water Activated) Basecoat is a polyurethane coating that rapidly cures to form a flexible, high build, seamless, waterproofing membrane. This coating is specifically formulated to react with water for fast curing, without gassing. The rapid cure times enable one-day application of Carlisle's pedestrian and light traffic deck coating systems.

TYPICAL USES

CCW-501WA can be used as a direct replacement for CCW-501 in Carlisle's Pedestrian Deck Coating Systems and Light Traffic Deck Coating Systems. CCW-501WA is used as a fast cure, high build base coat for waterproofing concrete or plywood balconies, plaza decks, terraces and other areas subjected to pedestrian foot traffic.

The high build capability of CCW-501WA enables installers to rectify gradients on balconies and terraces to assist in water dispersion.

LIMITATIONS

- Opened containers must be applied the same day as opened. Shelf life is 6 months from date of manufacture at 75° F in original, unopened container.
- Do not use with Base-Grip self-priming additive. CCW-557 primer must be used on all concrete surfaces.
- Do not use where conditions create a strong or permanent vapor drive upwards through the coating.
- Do not apply coatings to a frosty, damp or wet surface.
- Do not proceed with coating application if temperature is below 40° F or if rain is imminent within 8 hours after application.
- If metal pan is used for concrete form, the pan must be vented. Not for use on grade or with between slab membranes.

PACKAGING

5 gallon pails, 36 pails per pallet

WARNINGS AND HAZARDS

Before use refer to MSDS for important warnings and safety information. Use only in areas with adequate ventilation. Avoid breathing vapors. Keep away from heat and flame. Avoid contact with eyes and skin. In the event of skin contact, remove immediately and wash with warm, soapy water. Wear eye protection. Always wash hands before eating.

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS*
Composition	—	Polyurethane
Color	—	Colonial Gray
%Solids Content	ASTM D-1353	83 +/- 2%
Hardness	ASTM D-2240	60A
Elongation	ASTM D-412	925%
Tensile	ASTM D-412	900 psi
Tear Resistance	ASTM D-624	140 Pli
Adhesion to Concrete	ASTM D-522	23 psi

* Individual lots may vary +/- 10% from Typical value

INSTALLATION

Finished deck coating surfaces should be properly sloped to drain freely and eliminate the ponding of water. CCW-501WA can be used to correct drainage problems. The surface must be clean, dry and free of laitance, dirt, oil, grease or other contamination. Acceptable methods of cleaning are vacuum shotblasting, sandblasting, medium pressure waterblasting, acid etching or mechanical grinding followed by the complete and thorough removal of any residue.

If metal decking is used as a permanent form, the metal must be vented. If the deck is cast over precast tees or slabs, control joints should be placed directly over all joints. Surface shall have a steel trowel followed by a fine hair broom finish.

New concrete must be in place for 28 days minimum. Curing compounds must be of the self-dissipating type and be approved by the Carlisle representative. Any curing compound residues must be thoroughly removed prior to coating. Old concrete must be structurally sound. Spalled areas shall be filled. Loose or deteriorated concrete shall be replaced. Abrade steel trowel finish by mechanical or chemical means. In the event of existing polyurethane coatings are present, follow Carlisle recoat procedures.

Refer to Carlisle DC series details for proper detailing of cracks, drains, angle changes, parking bumpers, etc.

Saw cut cracks greater than 1/16" wide to 1/4" wide by 1/4" deep. Grind off high spots, ridges and fins. Fill all low spots, voids, rock pockets, excessively rough and spalled areas with approved non-shrink grout or epoxy patching compound.

Clean joints and saw cut cracks. All moving cracks over 1/16" wide and all expansion joints less than 1" wide shall be cleaned, primed, fitted with a backing rod and caulked with PT-304 or CCW-201 Sealant as recommended by the data sheet. For larger joints, contact Carlisle representative. Tool sealant flush in joints up to 1/2" wide, slightly concave on wider joints.

Any required metal or neoprene flashings should be installed at this time.

Apply a 1" face, 45 degree cant of sealant at all angle changes, including projections through the deck, walls, curbs, etc. Allow sealant to cure thoroughly.

Priming is required on all areas. Prime all areas to receive detail coats with CCW-557 Solvent-based Primer. Stir each side separately to ensure that no separation has occurred then mix all of Part A with all of Part B. Mix 2 to 3 minutes until a homogenous blend is achieved. Wait 15 minutes before applying CCW-557.

Apply CCW-557 primer at a rate of 300 square feet per gallon. Avoid puddles or ponding. Allow primer to dry for 1 hour minimum, 8 hours maximum.

Apply a stripe coat of CCW-501-T Detail Coat, 30 mils thick, 6" wide, centered over all sealant cants, sealed cracks, hairline cracks, control joints, expansion joints (less than 1/2" wide) and cold joints. Apply a stripe coat of CCW-501-T Detail Coat, 30 mils thick, 6" wide, centered over all transitions from dissimilar materials, such as from concrete to metal flashings, and reinforce with CCW Reinforcing Fabric. Allow the stripe coats to cure overnight (16 hours minimum). **Caution:** *Ensure that all sealant is thoroughly cured. Uncured sealant may affect the cure of the coating.*

MIXING INSTRUCTIONS

Water is added at a rate of 1 gallon per 5 gallons (or 64 ounces per 2.5 gals.) of CCW-501WA. Mix until water is completely incorporated into the CCW-501WA prior to application. *Use a variable speed 1/2" drill with a Model PS Jiffy blade for a minimum of 3 minutes when mixing.* Cure time will be 4 hours @ 77° F and 50% R.H.

Caution: DO NOT add more than one gallon water per 5 gallon pail.

BASE COAT APPLICATION: Do not apply coating over joints greater than 1" wide. Wipe stripe coats to remove any dust or contamination. Apply CCW-501WA in one uniform coat at the rate of one gallon minimum per 50 square feet or as needed in order to obtain a minimum thickness of 26 dry mils. Greater thickness can be achieved without pinholing, however vertical forms might be required for containment. Backroll for even coverage. Allow the base membrane to cure 4 hours minimum at 75° F or until cured to a firm rubber that will not move when pushed with firm pressure.

Apply CCW-501WA at 40 sf/gal over areas sloped with a mixture of CCW-501WA and sand. Maximum sand ratio shall be 1 to 1 by volume.

See Carlisle Deck Coating System Installation Guides for specific instructions.

LIMITED WARRANTY

CARLISLE COATINGS AND WATERPROOFING INCORPORATED (CARLISLE) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any CARLISLE materials prove to contain manufacturing defects that substantially affect their performance, CARLISLE will, at its option, replace the material or refund the purchase price.

This limited warranty is the only warranty extended by CARLISLE with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. CARLISLE specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of CARLISLE's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the CARLISLE material in question.