



SELF-PRIMING BASECOAT CCW-501SP

DESCRIPTION

CCW-501SP Self Priming Basecoat is a one-part polyurethane coating that cures to form a flexible, resilient, seamless, waterproofing membrane. This coating is specially formulated to bond to properly prepared surfaces without the use of additional primers or surface conditioners.

TYPICAL USE

CCW-501SP is used in conjunction with other components of Carlisle Pedestrian and Vehicular Deck Coating Systems. When applied to a clean, dry, properly prepared concrete or wood surface, the coating develops excellent adhesion to the substrate, preventing water migration below the waterproofing system and providing a well-bonded foundation for the wear and finish layers.

LIMITATIONS

- Concrete surfaces must be clean, free from all laitance or other contamination and have a surface profile of CSP 2 to 5 (Ground, fine broom or shotblast surface).
- Do not use where conditions create a strong or permanent vapor drive upwards through the coating.
- Carlisle recommends priming on all deck coating installations. If the above conditions cannot be met, priming is required prior to application of deck coatings.
- 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. Cure time is slower in cool weather.
- Polyurethane coating cure times may be significantly faster than listed when temperature and/or humidity are high.
- 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

55 gallon drums

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.

TYPICAL PROPERTIES

Solids Content	ASTM C 1250	85%
Hardness, Shore A	ASTM D 2240	60
Tensile Strength	ASTM D 412	750 psi
Ultimate Elongation	ASTM D 412	625%
Tear Resistance, Die C	ASTM D 624	130 lb/in
Adhesion to Concrete	ASTM D-903	23 PLI
Low Temp. Flexibility	ASTM D-522	-65°F

INSTALLATION

Surface should be properly sloped to drain freely and eliminate the ponding of water. 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 per detail DC-1B. 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, 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 vertical termination, drain, crack and joint 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 400 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 any transition between dissimilar materials, such as concrete to metal flashings, concrete to wood or wood to metal, and reinforce with CCW Reinforcing Fabric. Allow the stripe coat to cure over night (16 hours minimum). **Caution:** *Ensure that all sealant is thoroughly cured. Uncured sealant may affect the cure of the coating.*

BASE COAT APPLICATION: Do not apply coating over joints greater than 1" wide. Wipe stripe coats to remove any dust or contamination. Apply CCW-501SP 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 32 wet mils. Backroll for even coverage. Allow the base membrane to cure 16 hours minimum at 75° F or until cured to a firm rubber that will not move when pushed with firm pressure.

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.