PEDESTRIAN TRAFFIC DECK SYSTEM FOR PLYWOOD CCW-5313

DESCRIPTION

An elastomeric coating system that provides waterproofing protection to occupied areas below and protects the plywood surface to which it is applied. It is designed as a two coat system for small, light duty applications and as a three coat system for heavy duty use. It provides a safe, slip-resistant, attractive walking surface. The Top Coat is available in nine fade-resistant colors.

TYPICAL USE

The CCW-5313 System is used for waterproofing patios, balconies, walkways, sun decks and other plywood decks subject to pedestrian traffic.

LIMITATIONS

- Do not apply primer or 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.
- Plywood decks should not be coated or painted on the underside of surface to receive coating.
- If the deck has an existing coating, contact the Carlisle representative.

PACKAGING

CCW-501 Base Coat, CCW-502 Intermediate Coat and CCW-503 Top Coat: 5 gallon pails and 55 gallon drums.

Shelf life12 months from date of manufacture when stored at 85°F or below.

APPLICABLE STANDARDS

ASTM C 957-93

TOP COAT COLORS

Standard colors in stock include: Stone Gray, Colonial Gray, Beige, Desert Tan and Arizona Tan.

Additional standard colors and custom colors are available, minimum orders may apply.

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*

CCW-501 BASE COAT

Solids Content	ASTM C 1250	85%
Hardness, Shore A	ASTM D 2240	63
Tensile Strength	ASTM D 412	850 psi
Ultimate Elongation	ASTM D 412	625%
Tear Resistance, Die C	ASTM D 624	140 lb/in
Adhesion to Concrete	ASTM D-903	23PLI
Low Temp. Flexibility	ASTM D-522	-65°F

CCW-502 INTERMEDIATE COAT

Solids Content	ASTM C 1250	80%
Hardness, Shore A	ASTM D 2240	82
Tensile Strength	ASTM D 412	2000 psi
Ultimate Elongation	ASTM D 412	425%
Tear, Die C	ASTM D 624	300 lb/in
Low Temp Flexibility	ASTM D-522	-65°F

CCW-503 TOP COAT

Solids Content	ASTM C 1250	72%
Hardness, Shore A	ASTM D 2240	91
Tensile Strength	ASTM D 412	3200 psi
Ultimate Elongation	ASTM D 412	190%
Tear, Die C	ASTM D 624	300 lb/in
Low Temp Flexibility and crack bridging**	ASTM C 957	Pass
Weather resistance	ASTM G 53	No chalking @ 2000 hrs
Abrasion resistance**	ASTM C 501	<50 mg.
Permeability**	ASTM E 96 (B)	<1.0 perms

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

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.

SURFACE PREPARATION: Plywood shall be 3/4" minimum thickness, A/C or better, exterior grade tongue and groove type. Install with A side up.

Design deck to eliminate vertical deflection by proper selection of plywood thickness and spacing of supports. All plywood edges must be supported on blocking or primary framing. Fasten with non-corroding screws, 10d annular ring or twist shank nails. Space fasteners 6" on center along panel edges and 12" on center over intermediate supports.

Plywood panels shall be butted flush with adjoining panels. Sand as required to provide a flush surface. All adjacent metal flashing, scuppers, vents, etc. shall be galvanized or non-ferrous metal, tightly screwed or nailed with ring shank nails no greater than 4" on center.

Sweep all joints clean of debris and sawdust. Fill all separations over 1/16" wide with PT-304 or CCW-201 Sealant. Apply joint reinforcement consisting of a coat of CCW-501-T Detail Coat, 30 mils thick, 5" 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.

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

PRIMING: Priming with CCW-557 Primer is recommended. OSB must always be primed. Consult with the Carlisle representative before deciding priming is not required. Stir each side separately to ensure that no separation has occurred then mix all of Part A with all of Part B. Use a mixing paddle in a slow speed electric drill motor. Avoid air entrapment. Mix 2 to 3 minutes until a homogenous blend is achieved. Wait 15 minutes before applying.

Apply primer at a rate of 300 square feet per gallon. Avoid puddles or ponding the primer and do not apply primer over stripe coats.

Allow primer to dry for 1 hour minimum, 8 hours maximum. Primer is sufficiently dry when it is somewhat tacky but will not transfer when touched. In the event coating is not applied within the maximum time, reprime.

BASE COAT APPLICATION: Do not apply coating over joints greater than 1" wide. Wipe stripe coats to remove any dust or contamination. Apply CCW-501 in one uniform coat at the rate of one gallon minimum per 60 square feet or as needed in order to obtain a minimum thickness of 26 wet mils. Backroll for even coverage. Allow the base membrane to cure 16 hours minimum at 75°F.

INTERMEDIATE COAT APPLICATION: (Recommended for all except small, light duty applications.) Apply CCW-502 in one uniform coat at the rate of one gallon minimum per 100 square feet or as needed in order to obtain a minimum thickness of 16 wet mils. Immediately broadcast 30-65 mesh silica sand into the wet CCW-502 at a rate of 25 lbs. per 100 sq. ft. Allow to cure 16 hours minimum at 75°F. Sweep or vacuum off excess sand.

TOP COAT APPLICATION: Apply CCW-503 in one uniform coat at the rate of one gallon minimum per 100 square feet or as needed in order to obtain a minimum thickness of 16 wet mils. Backroll for even coverage. Allow the CCW-503 to cure at least 48 hours before opening the deck to traffic.

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.

CARLISLE
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