

POLY-TUFF SYSTEMS INTERNATIONAL

2250 E. Tropicana Ave
Suite 19-600
Las Vegas, NV 89119



Phone: (866) 977-8833
Fax: (800) 804-0182
Email: sales@polytuffus.com
Web: www.polytuffus.com

APPLICATION GUIDE FOR POLYTUFF WATER CURED COATINGS ON PLYWOOD AND CONCRETE DECKS WITH NO METAL LATH.

The below picture guide as an application guide is intended to supply a short form of the procedures to simplify the summary process of the application these systems. It is not intended to replace the pertinent data sheets from which each component and system was created. All metal and decks should be clean and properly prepared to receive coating.



#1 Caulk and Seal with E-101 Sealant all plywood joints. E-101 may be coated over immediately.



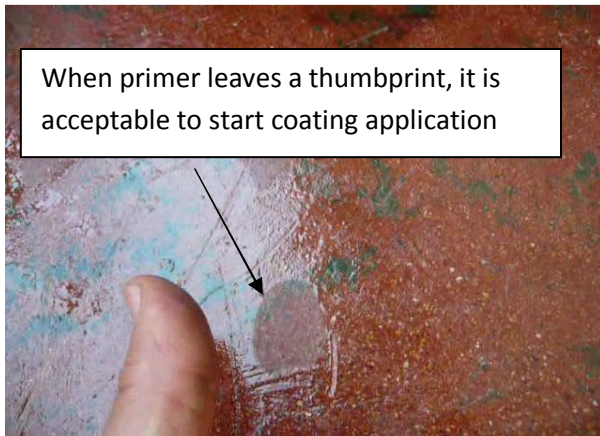
#2 Apply a "pre-stripe" of base coat 5" wide and embed polyester, or fiberglass Tape into the tacky or wet base coat as shown in picture. Alternately, you may use Super Seal Tape to over the crack and pre-stripping is not necessary.



#3 Apply Super Seal Tape to all metal flashings where coating is to be applied. The tape must be completely covered with coating.



#4 IT IS NOT NECESSARY TO PRIME CLEAN PLYWOOD. Apply (to concrete) primer with 3/8" at a very thin rate of 300 sq/ft per gallon.



#5 Wait until primer is thumbprint tacky, a thumbprint will be left in the primer when ready to coat.



#6 Open can and mix the entire pail from the bottom to the top for 2 minutes.



#7 Separate 1 – 5gal pail into 2 – 2 1/2 gallon pails.



#8 Start by adding 1/2 vial of catalyst, use more to cure faster. Use more in low temperatures and less in high temperatures.



#9 Add 2 1/2 quarts of water to 2 1/2 gallons of coating.



#10 Mix thoroughly until water completely disappears into the coating.



#11 Pour out the coating onto deck and either trowel or squeegee into place. Use notched squeegees to measure out mil thickness.



#12 Squeegee and back roll coating. Backroll coating with ½ nap roller. Workman wear spiked shoes for application of coating and back rolling.



#13 After approximately 45 minutes perform thumbprint tacky test. Finger print should be left in coating.



#14 Broadcast 16-40 mesh silica sand to refusal or until the deck looks like a beach.



#15 Blow off sand approximately 2 hours for when coating feels completely dry enough to take foot traffic.



#16 Mix 3 qts of xylene into a five gallon pail of top coat. Apply evenly with a ½"-3/4" nap roller.

Deck Coating Application Procedures

1. Apply Super Seal Tape to all metal flashing to be coated.
2. Where accessible Caulk or seal joints with E-101 Sealant. If a plywood deck system is being installed all joints must be sealed with E-101 and taped with Super Seal Tape. **If Super Seal Tape is not used**, the joints must be pre-stripped with 30 mils of water-cured base coat (P-Tuff Classic or E-Tuff 100) and 4" polyester or fiberglass tape must be embedded into the wet base coat.
3. Prime all concrete with Enviro-Grip #5 Primer at a rate of 300 square feet p/gallon. When it becomes "thumbprint tacky" apply base coat.
4. Apply P-Tuff Classic Sand Slurry in a mixture of 2 ½ gallons of P-Tuff Classic and fill pail with 16-30 mesh Silica Sand and 2 ½ quarts of water and 1 vial of catalyst over areas to be patched.
 - a. Thoroughly mix the pail from bottom to top before separating pail.
 - b. Divide 1 (5 gal) pail into 2 (2 ½) gal units
 - c. Add 2 ½ QUARTS of water to each pail.
 - d. Pour up to 2 pink catalyst vial into each 2 ½ gal unit. Reducing catalyst or adding catalyst will allow the contractor to control the curing in the field if too much catalyst is used.
 - e. Mix water and catalyst into base coat FIRST before adding sand until the water disappears into the coating. Then mix coating as you fill the remainder of the 5 gallon pail with sand.
 - f. Trowel into place with pool trowel or ¼" x ¼" notched trowel covering and fill patch.
5. Broadcast 16-30 mesh silica sand in approximately 45 minutes to refusal. In 2-4 hours, sweep off excess granules or sand.
6. Apply Topshield EST or Topshield EST-FR (for fire rated system over plywood) @ 100 sq ft/gal. Add 1-2 quarts of accelerator for fast curing.
7. If two coats are desired, the first may be applied at 100 sq ft/gal and the second at 125 sq ft/gal.

Deck Coating Application On Concrete Procedures On Concrete Without Patch Filling

8. Prime all concrete with Enviro-Grip #5 Primer at a rate of 300 square feet p/gallon. When it becomes "thumbprint tacky" apply base coat.
9. Apply P-Tuff Classic in a mixture of 2 ½ gallons of P-Tuff Classic and 2 ½ quarts of water and 1 vial of catalyst over areas to be coated.
 - a. Thoroughly mix the pail from bottom to top before separating pail.
 - b. Divide 1 (5 gal) pail into 2 (2 ½) gal units
 - c. Add 2 ½ QUARTS of water to each pail.
 - d. Pour up to 2 pink catalyst vial into each 2 ½ gal unit. Reducing catalyst or adding catalyst will allow the contractor to control the curing in the field if too much catalyst is used. Mix water and catalyst into the coating until the water completely disappears.

- e. Trowel or squeegee into place with a 50 mil squeegee, pool trowel or ¼" x ¼" notched trowel covering and hiding concrete.
- f. Even out the coating by back-rolling with a minimum 1/2" nap roller.
- 10. Broadcast 16-30, or 30 mesh silica sand in approximately 45 minutes to refusal. In 2-4 hours, sweep off excess granules or sand.
- 11. Apply Topshield EST @ 90 sq ft/gal. Add 1-2 quarts of accelerator for fast curing.
- 12. If two coats are desired, the first may be applied at 100 sq ft/gal and the second at 125 sq ft/gal.
- 13.

***Please note that these short forms are not intended to take the place of the Polytuff Technical Data Sheets.**

TOOLS LIST

(PolyTuff Water Cured Coating and Top Coat)" ½" and 3/8" Nap Roller Covers (12 minimum) Use 3/8" nap for primer and ½" for backrolling and topcoat (application)

Roller Frames – (3-5) 9" with Extended Handles

Utility Knife

Margin Trowel

Solvent

Rags

Plastic gloves

Pool Trowel for sand slurry applications

Caulking Guns (Bulk and Cartridge)

10 empty 5 gallon pails

Masking Paper with 2" Tape

Common and Phillips Screw Driver

5 gallon Paint Can Opener and/or 5 in 1 Tool

High speed HD Drill (900 RPM Minimum)

Mixing Paddle

DON'T FORGET YOUR COATING!

2 ½ quart Measuring pails (2 minimum)

Water Access and/hose

Chalk Line

¾" and 3/8" masking and duck tape

Trash Bags

6 Weenie Rollers with frames

Hammer

Sand or Aggregate (Must be between 16 -40 mesh sand. NO HOME DEPOT SAND.

5-10 3" cheap paint brushes for detailing.

Brooms

Tin Snips and Needle Nose Pliers

Wood Stir Sticks

Small hand grinder

Trash Bags

40-60 Mil Squeegee blades with Handle and Frame.

Polyethylene Film