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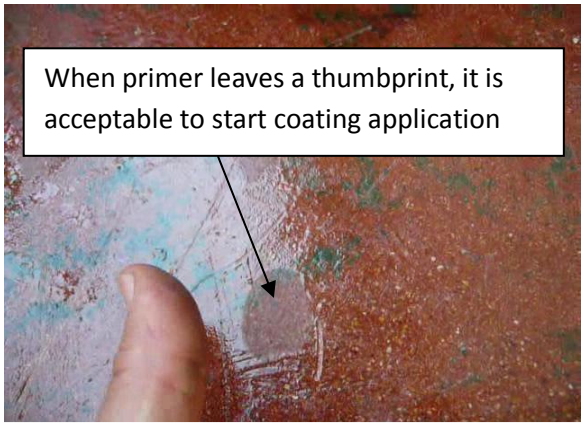
APPLICATION GUIDE FOR POLYTUFF WATER CURED COATINGS ON CONCRETE DECKS

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

#2 Apply a very thin layer of primer by 3/8" nap roller at 300+ sq/ft per gallon.



#3 When the primer is thumbprint tacky, it is ready to apply base coat. This occurs usually in 20-45 minutes depending upon the temperature. Do not use minutes, use the thumbprint tacky indicator.

#4 Open on 5 gallon pail and mix from bottom to the top for a minimum of 2 minutes.
#5 Separate 1 – 5gal pail into 2 – 2 1/2 gallon pails.

#5 Separate the 5 gallon pail into 2 -2 ½ gallon pails

#6 Pour ½ vial of catalyst into ONE of the pails. Use more for faster cure, none or less to slow down the cure time.

#7 Add 2 ½ quarts of water into the pail you added the catalyst.

#8 Mix until water and catalyst completely disappears into the coating (about 2 minutes)

#9 Fill the rest of the pail to the top lip line with 16-30 mesh sand, NO OTHER SAND ACCEPTED. This is the PolyTuff “Sand Slurry” System.

#10 Pour out pail where the coating will need to be the thickest or where you want to make the high spot of the cricket.

#11 Trowel out coating with a ¼" x ¼" notch trowel or a pool trowel and work from the high spot to the scupper or drain.

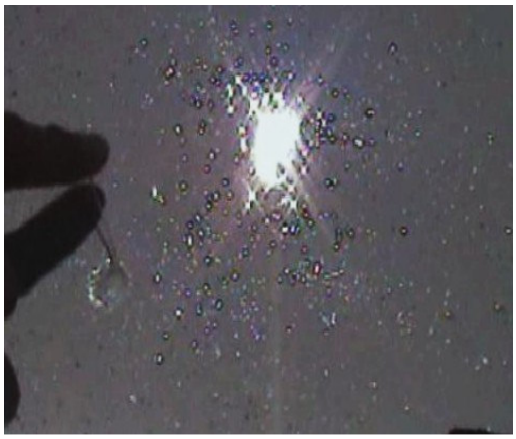
#12 Apply the coating in a triangle manner from the high spot in the center down to a feather edge thin layer at the scupper as shown.

#13 After the cricket is made apply coating by **notched** squeegee according to the predetermined desired mil thickness.

#14 Sand Slurry may be also screeded out by using a flat metal screed. A screw or nail at one end of the screed will help guide the slope to drain.

#15 The remainder of the deck where only 60 mils or less is needed may be troweled or rolled into place. ,

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



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

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

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

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

<u>Deck Coating Application Procedures</u>

1. Apply Super Seal Tape to all metal flashing to be coated.
2. 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.
3. 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 16-30 mesh silica sand.
f. Trowel into place with pool trowel or ¼" x ¼" notched trowel covering and fill patch.
g. To form crickets or slope to drain: Apply Sand Slurry from the place you want to be the high spot and slope to the featheredge of where you want to the water to drain. Form the crickets firsts (NOTE: YOU MAY WANT TO USE EXTRA CATALYST IN THE MIXTURE FOR THE CRICKETS SO THAT CRICKET WILL CURE FAST AND NOT MOVE AROUND WHEN COATING THE REMAINDER OF THE DECK.)

4. Broadcast 16-30 mesh silica sand in approximately 45 minutes to refusal. In 2-4 hours, sweep off excess granules or sand.
5. 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.
6. 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 (called applying a "neat coat").

7. 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.
8. 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.
9. Broadcast 16-30, or 30 mesh silica sand in approximately 45 minutes to refusal. In 2-4 hours, sweep off excess granules or sand.
10. Apply Topshield EST @ 90 sq ft/gal. Add 1-2 quarts of accelerator for fast curing.
11. If two coats are desired, the first may be applied at 100 sq ft/gal and the second at 125 sq ft/gal.

***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 Frames .

Polyethylene Film