

POLY-TUFF SYSTEMS INTERNATIONAL

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APPLICATION GUIDE FOR POLYTUFF WATER CURED COATINGS ON PLYOOD WITH FLEXIDECK P-ML SYSTEM 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 Super Seal Tape to all metal flashings where coating is to be applied. The tape must be completely covered with coating.



#3 Staple down 2.5 lb galvanized diamond metal lath with 1" crown staples. Butt, do not lap metal lath. Make sure the lath lays flat against the deck with no void pocket voids under the lath. Overlap lath on flashing 1".



#4 Open can and mix the entire pail from the bottom to the top for 3 minutes.



#5 Separate 1 – 5gal pail into 2 – 2 ½ gallon pails.



#6 Add 2 ½ quarts of water to 2 ½ gallons of coating =(1/2 pail of coating)



#7 Start by adding ½ vial of catalyst, use more to cure faster. Use more in low temperatures and less in high temperatures.



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



#9 Pour 16-30 or 20-40 Silica Sand into the pail until the pail is filled up to the 2nd lip line or less for desired thickness of coating.



#10 Trowel over lath with a ¼" notched or pool trowel skimming and covering the lath. Be sure that no lath is showing through. Work from the flashing outside edge across the deck. Slope deck to drain.



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



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



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



#14 Mix 3 qts of xylene into a five gallon pail of top coat. Apply evenly with a 1/2"-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 Sealant or with Super Seal Tape. **If Super Seal Tape is not used**, the joints must be pre-stripped E-101 sealant to prevent the coating from leaking through the plywood joint seams.
3. Staple down 2.5 lb diamond metal lath with minimum 1" crown staples. Butt the lath, do not lap the lath joints. Staple the lath to make sure the outer perimeter shows no buckles or bulges and that the lath is thoroughly flat against the deck. Check and Tap down any high staples before applying coating. Overlap metal flashing by 1" .

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 metal lath, as necessary to hide the metal lath.
 - 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 up to bottom of the first lip from the top or as desired.
 - f. Trowel into place with pool trowel or ¼" x ¼" notched trowel covering and fill all the lath leaving no lath showing through. It is only necessary to skim coat and hide the lath.
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.

***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 – Xylene or Acetone

Rags

Plastic gloves

Pool Trowel or ¼" notch 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 -30 or 20-40 mesh sand. NO HOME DEPOT SAND.

5 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

2 (2 ½ quart containers measuring pails)

10 empty, clean 5 gallon pails.

Super Seal Tape 4" or 8" wide

½" nap roller covers (10 each)

Level

High powered staple gun with compressor and hose.

High Powered Stapler with 1" crown staples able to penetrate ¾" plywood.

1" crown staples.

E-101 Joint Sealant

