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 either Envrio-Grip Metal Primer to Metal Flashing or Super Seal Tape flashings. Tape must be applied to the exact outer edge of the flashing. Use putty knife. . (If PolyTuff Enviro-Grip Metal Primer is used in place of Super Seal Tape, mix and apply primer in a very thin coat and coating within 30 minutes of being dry).

#3 Apply Super Seal Tape to over the crack, force tape into place by both hand pressure and then using a 4" putty knife to press the Super Seal Tape into place on both metal and plywood.

#4 Open 5 gallon pail of base coat and mix from bottom to top for 2-3 minutes until coating is homogeneous.

#5 Divide 5 gallon pail into half making 2 (2 ½) gallons in each pail

#6 Using a 2 ½ quart container, fill with water and pour into one of the 2 ½ gallon pails of coating .

#7 Pour ½ vial of catalyst (green or pink) into the water before mixing. Use less or no catalyst in the heat, more catalyst in the cooler temperatures.

#8 Mix water and catalyst into the coating until the water completely disappears into the coating. Mix sides of pail leaving no water around the edges.

#9 Trowel into place with a 1/8” notch trowel leaving a smooth even surface. Use mil gauge to maintain 50 wet mils on plywood.

#10 On larger areas, squeegee out the material with a 50 mil notched squeegee and back-roll coating as shown in picture.

#11 When coating becomes firm and tacky, it will leave a thumbprint in the coating.

#12 Immediately broadcast 16/30 or 20/40 sand to refusal. Sand should not sink into coating.

#13 After 3 hours or when coating is walkable without damage, blow and/or sweep all excess sand off the deck.

#14 Use a good quality 3/8" to ½" nap roller and apply Top Coat evenly without lap marks and puddles. Apply @ 80 sq/ft p/gallon.

<u>Deck Coating Application Procedures</u>

1. Clean all metal with xylene or Acetone. Apply Super Seal Tape to all metal flashing to be coated and **drag a putty knife** pressing downward across the tape. (If PolyTuff Enviro-Grip Metal Primer is used in place of Super Seal Tape, mix and apply primer in a very thin coat and coating within 30 minutes of being dry).
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-striped with 30 mils of water-cured base coat (P-Tuff Classic or E-Tuff 100) and 4" TC 400 or TC 600 polyester or fiberglass tape must be embedded into the wet base coat.

3. Apply E-Tuff 100 or 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.
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) @ 80 sq ft/gal. Add 1-2 quarts of accelerator for fast curing.
6. If two coats are desired, the first may be applied at 80 sq ft/gal and the second at 125 sq ft/gal. If a non-fire rated system is utilized apply a single top coat at 80 sq/ft p/gallon.

***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