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PSI Tech-Note

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Recoating Deck Procedures

The content below is a brief description of the application procedure for the recoating over **new PolyTuff** urethane deck coating application: This Tech-Note presupposes that the conditions for the recoating is an inadvertent lap line, roller marks, trowel marks, tie-in lap or other conditions make it necessary to recoat a deck that already **has a sand broadcast but no top coat**.

If bubbles or blisters have formed, remove the bubbles or blisters down to an adhered membrane by cutting or grinding. Featheredge and bevel the outer perimeter of each blister by mechanical means.

APPLY PRIMER #5 IF TOP COAT HAS BEEN APPLIED- NO PRIMER NECESSARY ON A SINGLE BROADCAST OF EXPOSED SAND.

1. Apply Enviro-Grip #1, 2, or 5 primer with a 3/8" lint free nap roller @300 sq/ft p/gal. DO NOT ALLOW PRIMER TO PUDDLE. Apply a thin even layer.
2. Allow primer to become thumbprint tacky and begin coating (approximately 20-45 minutes). Temperature and sunlight will definitely shorten or lengthen the time necessary for the primer to become "thumbprint tacky".
3. DO NOT allow primer to dry before coating with base coat.
4. If primer dries, re-prime.
 - Sand can be broadcast into the primer while it is wet or tacky to prevent re-priming application.
 - DO NOT APPLY PRIMER TO SUPER SEAL TAPE.

MIXING MATERIAL

1. Open a 5 gallon pail of E-Tuff 100 or P-Tuff Classic and mix thoroughly with a 5 gallon pail mixing paddle. Keep the paddle submerged in the coating so as not to mix air into the coating.

2. Pour ½ of a 5 gallon pail of E-Tuff 100 or P-Tuff Classic into a 5 gallon pail. You should have 2 ½ gallon in each pail.
3. Mix ½ of the vial of catalyst into each of the pails.
4. **You must have (2) 2 ½ quart measured containers.** Fill them with water. Pour each 2 ½ quart container of water into the 2 ½ gallons of deck coating. Mix until the water totally disappears and is absorbed into the coating.
 - a. **Sand Slurry mix is the same with the addition of #5 below**
 - b. **FILL THE 5 GALLON PAIL NEARLY TO THE TOP WITH SAND while mixing coating. .**

TROWELLING

1. Apply coating using a 30-60 mil notched squeegee or steel trowel (Home Depot Tile Department). If you are recoating the deck with existing sand a flat squeegee is acceptable **The recoat application must be backrolled after the squeegee application.**
2. Work from the high end to the low end of the deck. Smooth out any laps and apply just enough material to hide the imperfections using a wet mil gauge set for 20mils (recoat) 30 or 40 mil . A margin trowel may be required or useful at the perimeters or brush..

CURING AND SAND BROADCASTS

1. Allow to the coating to become “thumbprint” tacky. This is defined as the period of time when the thumbprint is left in the coating without the coating transferring on to the thumb.
2. Broadcast 20-30 mesh or 30-45 mesh silica sand or granulated rubber onto the deck to refusal (cover the entire deck).
3. Allow coating to dry for a minimum of 3-4 hours @ 70F, possibly more, depending on the temperatures.
4. Sweep off Excess Sand in before applying Top Coat.

TOPCOAT(S)

1. Mix Top Coat container thoroughly.
2. Add Accelerator to fast cure and 1 or 2 quarts of xylene. Mix Accelerator thoroughly into the topcoat.
3. Roll on top coat **EVENLY** with a 3/4” nap roller and apply a smooth consistent coat over the entire deck.
4. Coating over Rubber Granules will require two top coats.
 - * A 3/8” NAP ROLLER is acceptable to apply top coat where no coated sand is present. Coating must never cover sand as to create a slippery surface by hiding too much of the sand.

WHEN DECORATIVE RESURFACING ONLY PRIMER – SAND AND TOP COAT MAY BE APPLIED. IF SUFFICIENT AGGREGATE (SAND) IS ON THE SURFACE, IT MAY NOT BE NECESSARY TO BROADCAST MORE SAND.

The content above is not intended to replace the thorough reading and understanding of the Poly-Tuff related Data Sheets, Instructional Guides and details. Please read them and call us with any questions. Visit our website at www.polytuffus.com or call us at 866.977.8833.

