

RepDeck SD “Super Deck”

Individual Product Instruction (Step by Step)

Mock-ups of 100-200 sq/ft

1. Install mockups prior to the full application at the project and have the mockup approved for aesthetics, color, slip resistance and functionality for the project.

Deck Preparation with Cracks

1. Remove all loose and foreign materials by power washing and mechanical means without damaging existing substrate.
2. Seal all joints and cracks to level (flush) with **RepSeal NS** sealant; take care not to smear sealant outside joint and crack edges. (Tool sealant level with deck, no sagging or depression). *Please see **RepTape CT** Application below.
3. Apply a cove bead of **RepSeal NS** sealant to all perimeter joint areas to be coated along with any arm rail attachments.
4. Confirm area to be coated is clean of loose and foreign materials and completely dry of moisture before applying any coating materials. **RepDeck SD** should be applied at a temperature of 40 degrees and above. Curing time will depend on temperature. Avoid deck temperatures rising above 90 degrees.

RepTape CT “CRACK TREATMENT” (If required)

1. Clean joint to prevent adhesion issues of sealant. Apply **RepSeal NS** sealant flush with deck neat (do not smear on deck).



Trowel out a 30 mil x 4" wide layer of base coat.



Roll out the **RepTape CT** into the basecoat without elongating the fabric.



Gently lay and press the **RepTape CT** into the basecoat and allow to saturate the fabric.



Pour out more coating over the fabric hiding the fabric.



Coating over the fabric should completely hide the joint and fabric.

Base Coat Mixing (plus pin hole priming)

1. **Individually** Premix **RepDeck SD** 4 gallon **side A & B** 1 gallon pail thoroughly from bottom to top with a 5 gallon pail mixing paddle. Keep the paddle submerged in the coating so as not to induce air into the coating. If adding a color pack, mix until homogeneous in color with no color streams.



Priming or filling pinholes (IF REQUIRED)

The **RepDeck SD** may be used to fill deep pockets or voids in the concrete. If there are pinholes in the concrete surface, the **RepDeck SD** may be diluted 10% with xylene and extra catalyst may be used to fill the pinholes.

Modified RepDeck SD:

1 gallon **premixed A side** (128oz)

40 oz **premixed B side**

10 oz of xylene Pour 1 gal (128oz) of the premixed **Part A basecoat** into a clean and empty 5 gallon pail.



2. Pour 40 ounces of the **premixed B side catalyst** and **10 ounces of Xylene** into the premixed **RepDeck SD** **part A** side gallon pails and mix thoroughly until a homogeneous mixture and color is attained.



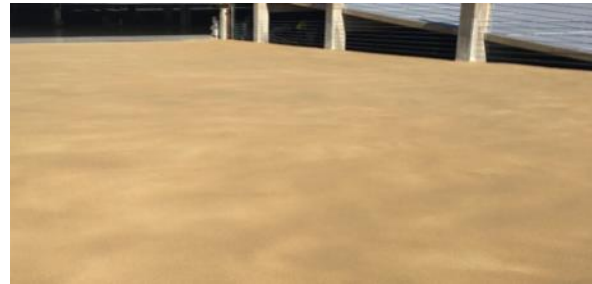
Note 1: You may increase batch sizes depending on size and location of project; mix quantities based on what can be applied at a controlled pace.

Prime Coat Application (20 wet mils)

1. Where concrete is pitted or has pinholes, apply coating using a flat squeegee confirming all depressions are filled level with **Modified RepDeck SD** basecoat at 80 sf/gal yielding 20 wet mils (confirm final mils with a mil gage). Note that pitted and pock marked concrete may require additional material to obtain the desired 20 wet mils.



2. A xylene wet chip brush will knock down material build up and aid with featheredge application when material is still fluid.
3. **If primer coating is used:** Broadcast 16/30 or 12/20 mesh round silica sand and 10 % 24 mesh aluminum oxide aggregate in approximately 12-15 minutes or as soon as the base coat becomes firm enough not to allow the sand to sink to refusal (thumbprint tacky) at a minimum of at 80 percent to refusal at 15 lbs – 20 lbs/100 sf (cover the entire deck)



4. Allow coating to completely dry before proceeding to second coating. Generally, within 30 minutes, the 2nd undiluted wear coat can begin with the normal 4:1 ratio. Curing time will be faster in warmer humid conditions and slower with colder temperatures.
5. Sweep off any Excess Sand before applying next coating.

WEARING SURFACE APPLICATION:

Apply 60 mils or 25 sq/ft p/gallon of on loading docks and excessive wear areas. In parking deck applications 50 mils is required or 30 sq/ft p/gallon.

RepDeck SD Top Coat Application

1. Mix in accordance with the above **RepDeck SD** mixing instructions.
2. Apply by 40-50 mil notched squeegee and backroll puddles and any overlapping squeegee lines of the **RepDeck SD**



* A 3/8" NAP ROLLER is acceptable to apply where no coated sand is present. Coating should not cover sand/aggregate broadcast as to create a slippery surface by hiding too much of the non-slip. The mockup is the base line for quality control and slip resistance, once the mockup is approved.

Note: Additional sand aggregate may be broadcast into wet topcoat via the rain method. Please contact **TuffTex Materials Technical Support for any inquiry or assistance.

EQUIPMENT CLEANUP

RepDeck SD typically skins over within 130-145 minutes and cures through in 4-24 hours depending upon temperature, humidity and thickness. Lower temperatures and humidity prolong cure time. Higher temperatures accelerate cure time. Equipment should be cleaned with **RepSolv X**, xylene or an environmentally safe solvent, as permitted under local regulations, immediately after use.

RepDeck SD System Minimum Coverage Rate Summary:

***RepDeck SD first coat Basecoat** – 80sq/ft p/gal. 20 wet mils (Coverage rate based on depression depths)
Sand broadcast –15-20 lbs p/100sq/ft.*

***RepDeck SD Second coat Topcoat** – 80sq/ft p/gal. 20 wet mils (pedestrian traffic).*

SURFACE PREPARATION AND APPLICATION FOR REPAIRS

1. Remove all loose coating and foreign materials from damaged area by mechanical means until all the loose coating is back to soundly adhered coating of the deck. Feather edge and bevel the outer perimeter of damaged area.



2. Clean the damaged deck area with xylene and a clean white cloth. Confirm all surface area is moisture free (completely dry) before proceeding with any coating application.



3. Fill in void or damaged area with the **RepDeck SD** modified mixed basecoat until level with surface/existing coating and feather edge with xylene wet chip brush while material is still fluid. A light sand broadcast or aluminum oxide may be added into wet basecoat to blend into existing deck.
Note: a second coat may be required to cover up any exposed sand or to featheredge blend more of repairs edges (blue quartz used to show light to heavy sand broadcast required for blending repair edges into coating).



4. Allow pedestrian traffic when coating is tack free and completely dry.

The content above is intended to inform and provide step by step instruction for general repairs and application. TuffTex Materials, Inc. suggests performing a mock-up and thoroughly reading material data sheets, recommended care and maintenance manual in conjunction with all content included before applying any materials. Please visit our website for additional information or call us direct to speak to a TuffTex representative.

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*Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local **TuffTex** representative or visit our website for current technical data and instructions.*

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