

RepDeck SD (Super Deck)

A Two Component, Fast Setting, Rapid Curing, Solvent-Free Base & Finish Coat System

DESCRIPTION:

RepDeck SD is a two component, fast setting, rapid curing, solvent free, flexible, high performance, high solids, urethane-elastomer base membrane that can be applied to interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, **RepDeck SD** is suitable for applications in temperatures as low as 20°F (-6.7°C). It may be applied in a single application or in multiple applications. **RepDeck SD** is also relatively insensitive to moisture and temperature, allowing applications in various temperatures and humidity. Aggregates may be broadcast or added for use as a wearing surface. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

FEATURES:

- Use as a finished wearing surface
- No primer required
- Can Be Applied at Any Thickness
- Coats Green (Vented) Concrete
- Good Chemical Resistance
- Good Thermal Stability
- Interior or Exterior Applications
- Meets USDA Criteria
- Seamless & Non Gassing
- Fast Curing & Recoatable

TYPICAL USES:

- Exterior & Interior Pedestrian Traffic Walkways
- Patios, Stairways, Parking Garages
- Interior Surfaces such as Mechanical Rooms
- Stalls, Wash Racks & Kennel Runs
- Sun Decks & Balconies
- Vehicular Traffic Areas

COLOR:

Grey

Tan color is available upon request with minimum order of 250 gallons (945 liters). Custom colors are also available with a minimum order of 250 gallons (945 liters). See color chart for special provisions.

PACKAGING:

1-gallon kit: 1 gallon can, net 0.8 gallon (3.03 liters) of Side-A and 1 quart can, net 0.2 gallons (0.78 liters) of Side-B
5-gallon kit: 5 gallon pail, net 4 gallons (15.15 liters) of Side-A and 1 gallon can, net 1 gallon (3.78 liters) of Side-B

SURFACE PREPARATION:

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shot blasting or the use of **PrepEtch biodegradable profiling compound**. Peel and adhesion tests are recommended. Install a 100-200 sqft (9.30-18.58 sqm) mockup of the system to be installed and approve for aesthetics, color, slip resistance, actual coverage rates and functionality before proceeding.

TECHNICAL DATA (Based on draw down films)

Specific Gravity	Side A: 1.05 ± 0.1 Side B: 0.99 ± 0.1
Hardness ASTM D-2240 Shore A	80 ± 3
Pot Life (min @ 75°F [24°C], 50% RH)	10 ± 2 minutes
Tack Free Time	3-4 Hours
Tensile Strength, ASTM D-412	2500 ± 100 pli (17.2 ± 0.7 kN/m)
Elongation, ASTM D-412	800 ± 100%
Tear, ASTM D-624	300 ± 25 pli (52.5 ± 4.4 kN/m)
Viscosity, at 75°F (24°C)	Side-A: 1500-2500 cps Side-B: 50-150 cps
Total Solids by Weight, ASTM D-2369	94 ± 2%
Total Solids by Volume, ASTM D-2697	95 ± 2%
Volatile Organic Compounds ASTM D-2369-81	<0.49 lbs/gall (59 gm/liter)

*contains some high boiling plasticizers

MIXING:

Using a mechanical mixer, first premix separately Side-A and Side-B base material thoroughly to attain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour Side-B into Side-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Side-A and Side-B mixture thoroughly until uniform color is attained.

NOTE: RepDeck SD may NOT BE DILUTED under any circumstances. **DO NOT ESTIMATE:** The proportions are premeasured.

JOINTS, CRACKS, AND FLASHING:

Apply a single or two component non-gassing polyurethane sealant (**RepSeal NS**) over all joints, cracks and flashing. Bridge large joints, cracks and flashing with 2.75-4" (7-10.14 cm) polyester or polyurethane foam tape pushing the tape into the 20 mil (508 microns) pre-stripe of the basecoat. Alternatively, joints and cracks 1/16" or larger may be sealed flush with **RepSeal NS** concealed with 4" (10 cm) **Super Seal Tape** (concrete must be primed first and allow to dry).

Over reinforcement tape, apply a pre-stripe coat of **RepDeck SD** material and taper it onto the adjacent surface. Alternatively, no crack chasing or pre-stripe is necessary with the use of **Super Seal Tape** over a primed surface (see **Super Seal Tape Data Sheet**). Allow the surface to cure for 1 to 2 hours.

APPLICATION:

For best results use a squeegee or notched trowel to spread **RepDeck SD** evenly over the entire deck. **RepDeck SD** should be applied at a temperature of 20°F (-6.7°C) and above. Curing time will depend on temperature.

RepDeck SD may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil (25.4 microns) thickness is one gallon (3.78 liters) per 1520 sqft (141 sqm). Refer to "**Individual Product Instructions**" of the **TuffTex Materials** data or website for specific coverage rates.

COVERAGE RATES:

Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

CURING:

Curing time will depend on temperature. **RepDeck SD** may be fully reinforced while wet. **RepDeck SD** has a **relatively short pot life and should be mixed and used immediately. Do not mix the product until you are ready to apply it.**

EQUIPMENT CLEANUP:

Equipment should be cleaned immediately after use with **RepSolv X**, xylene, or an environmentally-safe solvent, as permitted under local regulations.

SHELF LIFE AND STORAGE:

RepDeck SD has a shelf life of 12 months from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS:

- Do not open until ready to use. Any off ratio mixing of the product will affect the properties and the product may not cure.
- Contains some high boiling colorless plasticizers.

The following conditions must not be coated with **TuffTex Materials** deck coating systems or products:

- 1) On grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool, swimming pool decks,

or areas where hydrostatic pressure is or may be present, **without** the use of **RepPrime OF** odor free primer. **TuffTex "Deck Coatings"** are not recommended over magnesite, gypsum lightweight and where chained or studded tires may be used.

- 2) Concrete must exhibit 3000 psi minimum strength. An ICRI CSP 2-3 surface or greater is required for concrete surfaces to be coated.

- 3) New concrete must be cured for 28 days unless otherwise approved by **TuffTex Materials** in writing. New surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function. Light broom finished concrete should be power-washed before coating application.

- 4) Concrete cleaning (see General and Safety Guidelines).

WARNING: This product contains isocyanates and curative materials.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

DISCLAIMER:

Refer to the SDS sheet before use. The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of **TuffTex Materials, Inc.** Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact your local **TuffTex Materials, Inc.** distributor or technical representative for additional technical data and instructions.

