

**UltraFlex1000 is a two-component, fast-setting, fast curing, solvent-free, extremely flexible, high solids polyurethane elastomeric coating designed for interior and exterior concrete, plywood, and metal surfaces. It performs well in varied temperatures and humidity, with a rapid gel time suitable for applications down to 20°F (-6°C), and can be applied in single or multiple layers. It's also ideal for filling expansion joints, providing flexibility and durability where movement is expected.**

Recommended for high-traffic pedestrian and vehicular decks, as well as surfaces requiring durability and flexibility, such as walkways, patios, balconies, floors, and mechanical rooms.

## FEATURES

- Apply at Any Thickness
- Excellent Low-Temperature Flexibility
- Good Chemical Resistance
- Good Thermal Stability
- USDA Compliant
- Non-Gassing
- Recoatable
- Seamless Finish

## TYPICAL USAGE

- Crack Repairs & Expansion Joints
- Exterior & Interior Pedestrian Surfaces  
such as Walkways, Patios & Stairways
- Interior Surfaces: Floors & Mechanical Rooms
- Kennel Runs
- Stalls and Wash Racks
- Sundecks and Balconies
- Vehicular Traffic Areas

## COLOR OPTIONS

Grey/Tan color is available with a minimum order of 250 gallons. See color chart for special provisions. Contact Spartan Epoxies for more information.

## SURFACE PREPARATION

Speak with one of our experts for more information.

## MIXING INSTRUCTIONS

Proportions are pre-measured. Using a mechanical mixer, pre-mix Part A and Part B separately until a uniform color is achieved, ensuring to scrape any solids from the bottom and sides of the pail. Slowly pour Part B into Part A while mixing, and scrape the sides of the container. Mix for 1-2 minutes, then box the materials. Continue mixing until color is uniform. Avoid mixing in an up-and-down motion. Use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities, and local bodies.

*Note: UltraFlex1000 must not be diluted.*

## TECHNICAL DATA

Coverage Rate	100 ft <sup>2</sup> Per Gallon
Dry Film Thickness per Coat	15 ± 1 mils (381 ± 25 microns)
Mixing Ratio	4A : 1B
Hardness, ASTM D2240	64 ± 2 Shore A
Tear Resistance, Die C, ASTM D624	230 ± 25 pli 40.3 ± 4.4 kN/m
Split Tear, ASTM D470	60 ± 5 pli 10.5 ± 0.9 kN/m
Tensile Strength, ASTM D412	1500 ± 100 psi 10.3 ± 0.7 MPa
Ultimate Elongation, ASTM D412	1000 ± 100%
Specific Gravity, Part A	1.03 ± 0.1
Part B	0.98 ± 0.1
Total Solids by Weight, ASTM D2369	94 ± 2%
Total Solids by Volume, A STM D2697	95 ± 2%
Viscosity at 75°F (24°C) Side-A	2500-3000 ± 500 cps
Side-B	100 ± 50 cps
Volatile Organic Compounds, ASTM D2369-81	<0.04 lb/gal <5 gm/liters

## PACKAGING

1 Gallon Kit	One 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and One quart can, net fill 0.2 gallons (0.78 liters) of Part-B
5 Gallon Kit	One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and One 1 gallon (3.78 liters) can of Part-B

**APPLICATION TEMPERATURE**

Temperature of 20°F (-6°C) and above. For best results apply between 65°F to 80°F. Ask about our accelerate additive for colder temperatures.

**CURING TEMPERATURE**

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before applying subsequent coats. Cure time will vary depending on temperature and humidity.

**CLEANUP**

Clean equipment with an environmentally safe, polyurethane-grade solvent (alcohol-free) as permitted by local regulations, immediately after use.

**STORAGE**

UltraFlex1000 has a shelf life of 1 year from the date of manufacture in original, factory-sealed containers when stored indoors at temperatures between 60-95°F (15-35°C).

**APPLICATION INSTRUCTIONS**

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used, but extra care should be taken not to trap air, as this may result in bubbles.

***A continuous coating application is necessary to minimize lines and/or streaking.***

To achieve a slip-resistant finish, apply an aggregate of washed, dry, rounded sand (approximately 16 or 20 mesh, 0.0331-0.0469 in.; 0.84-1.19 mm), with a minimum hardness of 6.5+ Mohs, at a rate of 20 lbs/100 sqft (1 kg/sqm) or as required. Broadcast sand into the wet second coat until refusal, covering it completely. Once the coating is dry, remove loose sand, preferably by vacuum.

***For rubber granule applications***, broadcast an aggregate of 14-30 mesh rubber granules into the membrane at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or to refusal. When the coating starts to gel in approximately 20 to 30 minutes, broadcast 14-30 mesh (0.56-1.41 mm) rubber granules until refusal. When the coated surface is firm enough to support the weight of the installer without damaging the coating or once it is dry (approximately 4-6 hours), remove all loose aggregate, preferably by vacuum.

**WARNING**

This product contains isocyanates and curative material.

**SAFETY GEAR**

It is recommended to wear appropriate safety gear, including gloves, eye protection, and a respirator, to prevent exposure to chemicals and ensure safe application.

**IMPORTANT NOTE**

If more than 48 hours passes between coats, re-prime the surface with a Spartan approved primer before proceeding.

**LIMITATIONS**

This product is not UV stable.

The following conditions should not be coated with Spartan Epoxies deck coatings or systems: split slabs, buried membranes, sandwich slabs with insulation, slabs over unvented metal pans, magnesite, and non-structural lightweight concrete. On-grade slabs may receive Spartan Epoxies system coatings if a moisture-vapor transmission test is performed first. Contact Spartan Epoxies technical department with test results.

For coating asphalt surfaces, please contact the Spartan Epoxies technical department.

Surfaces must be dry, clean, and free of foreign matter. Clear coatings may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surfaces may become slippery when wet. Opened containers must be used as soon as possible. Do not dilute under any circumstance.

**TECHNICAL SUPPORT**

For application support, contact your Spartan Epoxies Sales Representative at 1-877-288-1952, email [spartanepoxies@gmail.com](mailto:spartanepoxies@gmail.com), or start an online chat at [www.spartanepoxies.com](http://www.spartanepoxies.com).

# ULTRAFLEX1000™

## ELASTOMERIC BASE MEMBRANE

### NOTICE TO BUYER

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#### **DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY**

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.