



# SunOne 100

**Two-Component Polyaspartic Aliphatic Polyurea Nanotechnology**

## PRODUCT DESCRIPTION

SunOne 100 (polyaspartic) is a new, stand above all, two-component, 100% solids, aliphatic polyurea/polyaspartic hybrid designed for interior applications. Unique new resin chemistry has provided the raw materials to formulate this coating that gives the desirable properties of polyester-polyurethane materials with virtually no odor and less film thickness limitations. SunOne 100's extremely quick curing time provides unmatched labor saving capabilities above epoxies and polyurethanes. Because of its high solids content, it may be applied heavier in one coat than conventional solvent or water-based polyurethanes. Applications that required two or more top coats can now be done in a single application resulting in savings of both time and labor. SunOne 100 yields high gloss, chemical splash and spill resistance, and hot tire pick-up resistance much like it's epoxy counterpart.

SunOne 100 is ideally suited for use as a finish coat in color chip, color quartz, and rubberized aggregate flooring. Also ideal for automotive repair facilities, aircraft hangars, clean rooms and various types of decorative architectural concrete applications.

**COLORS:** Clear or choose from 16 different SunOne pigment packs.

## TECHNICAL INFORMATION

Solids.....	100%	Wet Appearance.....	Clear
Pot Life.....	20-25 minutes	Dry Appearance.....	Clear and Very High Gloss
Re-Coat Time.....	2-3 hours	VOC Content.....	<0 g/l
Foot Traffic.....	3-4 hours	Blush Resistance.....	Excellent
Wheel Traffic.....	24 hours (recommended)	Solvent Resistance.....	Excellent
Ideal Application Temp.....	40°F - 85°F *	Concrete Adhesion.....	Excellent
Mix Ratio.....	1 Part A : 1 Parts B	Coverage.....	100 to 250 sf/gal

\* Capable of installation down to 0°F with adequate ventilation and cure time.

Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

## GENERAL INFORMATION

### Moisture Vapor Emissions/Alkalinity Precautions

It is the coating applicator's responsibility to conduct moisture vapor testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Contact Technical Services for additional support. Sundeck Products USA, Inc. and its sales agents will not be responsible for coating failures due to high moisture vapor emissions or related levels of alkalinity.

### Surface Preparation

Surface must be absolutely clean, dry and free from all dirt, wax, oil, chalk, incompatible paint or detergent film. Fully cured, previously coated surfaces must be cleaned and sanded lightly with 80-100 grit sandpaper or otherwise mechanically abraded before recoating. If multiple coats of SunOne 100 are applied, apply additional coats as soon as possible. If more than 24 hours has elapsed or the coating cannot be indented with a fingernail, abrade surface with 80-100 grit sandpaper or screen to insure coat-to-coat adhesion.

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## SUNONE 100 - GENERAL INFORMATION CONTINUED

### Mixing Instructions

The material is supplied in pre-measured kits for easy proportioning. Add the entire contents of the Part B container to the Part A. The mixing ratio is 1 Parts A to 1 Parts B by volume. **When using pigment packs, add entire content to part A before mixing with part B.** Mix for 1 full minute using a slow speed drill, scraping the bottom and sides of the mixing container. Mix only that amount which can be applied within 40 minutes for the regular cure material and 20 minutes for the fast cure. Additional solvent may be added up to 10% to further lower the application viscosity and extend the work time. Acetone is the recommended solvent.

### Application Recommendations

SunOne 100 is a very reactive material and requires special application techniques. It may be brushed, rolled or sprayed using plural component spray equipment. **When used as primer, thin SunOne 100 up to 20% with acetone to lower the viscosity and improve product substrate penetration.** Easy application is accomplished by pouring the freshly mixed product on the floor, spreading to the desired thickness with a flat trowel or rubber squeegee and finish rolling immediately with a ½ inch roller. The mechanic rolling the material should wear spiked shoes to walk on the wet material. If using the fast cure material, the best application technique is using an 18 inch roller and working out of a roller pan. Because the material sets quickly, change roller covers every hour.

Application of the material must be done immediately after mixing. On large jobs, be sure to have enough mechanics to keep a wet edge. At 4 mils Application rate should be kept above 100 sq. ft. per gallon (16 mils). Thicker films may entrap solvent or cause CO<sub>2</sub> bubbles. If allowed to puddle, CO<sub>2</sub> bubbles will appear as frosted areas.

### Limitations:

- Do not use on unprimed substrates
- Do not allow to puddle. Film thickness must not exceed 10 mils.

### Handling Precautions

Avoid contact with skin, wear protective gloves. Read Material Safety Data Sheet before using.

### Slip and Fall Precautions

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is 0.6 on level surfaces and 0.8 on ramps. Sundeck Products USA, Inc. recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Sundeck Products USA, Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.

### WARRANTY INFORMATION

Sundeck Products USA, Inc. guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. SUNDECK PRODUCTS USA, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Sundeck Products USA, Inc. shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Sundeck Products USA, Inc. shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

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