



Two-Component Polyaspartic Aliphatic Polyurea Nanotechnology

PRODUCT DESCRIPTION

SunOne 80 (polyaspartic) is a our two-component, 80% 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 very low odor and less film thickness limitations. SunOne 80 is a low viscosity, easy to handle product that gives very high gloss finishes that are both hard and abrasion resistant. This material releases soils easily and has excellent resistance to a broad range of chemicals. Unlike conventional polyurea materials, SunOne 80 has enough work time to be applied by brush and roller. It is available in both a regular cure and a slow cure version when extended working time is needed.

SunOne 80 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.....80%	Wet Appearance.....Clear
Pot Life.....20-25 minutes	Dry Appearance.....Clear and Very High Gloss
Re-Coat Time.....2-3 hours	VOC Content.....<320 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 350 sf/gal

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

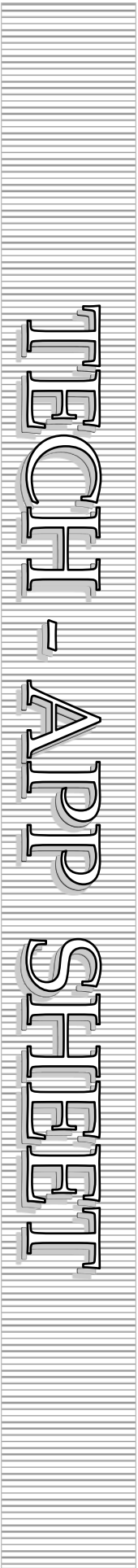
GENERAL INFORMATION

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 80 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.



SUNONE 80 - 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 about 10% by volume (e.g. 12 oz per gallon) to part A and mix thoroughly 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 80 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 80 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, expect a coverage rate of 300 sf/gal. Application rate should be kept above 100 sq. ft. per gallon (16 mils). Coverage rate will vary according to film thickness. Thicker films may entrap solvent or cause CO₂ bubbles. If allowed to puddle, CO₂ 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.

TECH - APP SHEET