



SunOne 80

80% solids polyaspartic/polyurea

Product description

SunOne 80 is a two component polyaspartic aliphatic polyurea utilizing innovative proprietary nanotechnology. SunOne 80 is a low viscosity, easy to handle product that provides a high gloss finish that are both hard and abrasion resistant. This material has an excellent resistance to a broad range of chemicals making it a perfect choice for chip floors and other coatings in automotive or industrial environments.

Limitations

- MVR (moisture vapor rate) shall be 3 pounds per 1000 FT². Floors that exceed the 3 pound limit should use the SunEpoxy MVB vapor barrier system before application.
- Apply at temperatures above 50°F (10°C).
- This product should be applied in thin coats. Do not exceed 10 mils.
- New concrete should be cured for at least 28 days prior to application.
- HVAC systems should be off or blocked during the application.
- Solvent vapors are flammable and can ignite with any source of open flame, sparks, smoking, etc.
- Solvent borne materials will saturate the color and cause the surface to appear darker. Test areas should be always be applied to confirm final result.

Packaging

SunOne 80 is available in 2 gallon kits (7.5 L) and 10 gallon kits (37.8 L).

Storage Instructions

Store in a dry area between 50°F and 90°F (10°C - 32°C) Avoid direct sunlight, extreme heat, <90°F (32°C). Shelf life when stored properly is 1 year.

Coverage Rate

First coat at 200-300 FT² (20-30 M²) per gallon. An optional 2nd coat may be applied at 250-350 FT² (25-30 M²) per gallon. Coverage can vary based on the surface porosity, texture.

Surface Preparation

If applying to concrete: Concrete should be cured a minimum of 28 days and be clean, structurally sound, and free of wax, oil, dust, loose paint or curing compounds. Mechanical surface preparation is the most suitable method to prepare for the application. Surface shall be profiled to a CSP-2 according to ICRI 310.2R surface preparation guide. Remove any dust or contaminants after preparation is complete to insure the surface is completely clean and dry. If a chemical preparation method is used be sure that the surface has been properly neutralized following the use of any acidic products or profiling agents. The surface must also be allowed to dry completely before the application.

Technical Information

Meets OTC, CARB, LADCO, & SCAQMD VOC restrictions.
SOLIDS by weight 80% VOC < 400 g/l

HEADQUARTERS

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Mixing

The mixing ratio for the SunOne 80 is 1:1. The products are packaged in pre-measured kits for easy use. The A and B components should be mixed separately before combining together. Combine the 2 components together in separate clean container and mix with a low speed drill for 1 minute. Avoid over mixing to prevent air or moisture entrapment. If adding a tint or pigment pack to the material, add the tint at the rate of 10% by volume or 12 oz. per gallon. Add the tint to part A and mix completely or until streak free. Then add part B and mix for 1 minute. There is no induction period required and the material should be used immediately after mixing. Never mix more material than can be used in 40 minutes or less. The material may be thinned using additional solvent at 10% by volume. Acetone is the recommended solvent. If using SunOne 80 as a primer the material may be thinned up to 20% by volume for better substrate penetration.

Application

Application temperature is between 50° F- 80° F (10°C - 26°C) SunOne 80 is a reactive material and has a pot life of 20-25 minutes. Pour and spread the material using a notched squeegee at 4-5 mils. Application should never exceed 10 mils. Back roll the material using a 1/2" x 18 inch roller cover. Always maintain a wet edge with the product. Applicator should wear spike shoes when rolling the material.

Dry time (tack free) 2-3 hours.

Re-Coat time 2-18 hours.

Foot traffic 3-4 hours.

Heavy traffic 24 hours.

Safety

Sundek 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 installer and end users' responsibility to provide a flooring system that meets current safety standards. Sundek Products USA, Inc. or its sales agents will not be responsible for injury incurred in a slip and fall accident.

Refer to the product Safety Data Sheet (SDS).

Product Warranty

Sundek Products USA, Inc. standard warranty applies.

Disclosure

Installers must carefully review site conditions, especially the substrate condition, and its moisture content. For floors that exceed 3 pounds MVR, Sundek recommends the use of SunEpoxy MVB vapor barrier treatment to prevent failure from moisture related issues. These and other installation variables affect product yields and overlay bonding quality. Consideration of these variables is the responsibility of the installer.