

SunEpoxy 300

Product description

SunEpoxy 300 is a cycloaliphatic amine cured, pigmented high build epoxy, designed to be used where extra chemical, impact and abrasion resistance is required. Used primarily in heavy industrial and commercial applications, it can be applied with a smooth, high gloss finish or it can be combined with various aggregates to obtain virtually any level of slip resistance required. This specially formulated epoxy exhibits excellent chemical, abrasion and impact resistance and excellent color retention. When properly installed at 8 to 16 mils, it will out perform normal floor paints up to 10 times

Limitations

- Apply at temperatures above 60°F (15.5°C) and below 90°F (32°C)
- New concrete should be cured for at least 28 days prior to application.
- MVR (moisture vapor rate) shall be 5 pounds per 1000 FT². Floors that exceed the 5 pound limit should use the SunEpoxy MVB vapor barrier system before application.
- Do not install in direct sunlight.
- This product is not UV stable.

Packaging

SunEpoxy 300 is available in 15 gallon kits (56.7 L) and 3 gallon kits (11 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

The coverage rate is typically two coats at 200 FT² per gallon. Average coat is applied 8-16 mils.

Surface Preparation

Concrete must be cured a minimum of 28 days and be clean, structurally sound, and free of wax, oil, dust, loose paint or curing compounds. Surface may be damp, but standing water should be removed. Concrete should be shot blasted, or diamond ground to achieve a CSP of 2-3.

Technical Information

Meets OTC, CARB, LADCO VOC restrictions.
VOC < 75.6 g/l

Two component heavy duty high build epoxy

Mixing

The mixing ratio for the SunEpoxy 300 is 2:1 (2 parts A to 1 part B) The products are packaged in 15 gallon and 3 gallon units for easy use. The A and B components should be mixed separately before combining together. Combine the two components in a separate clean container and mix with a low speed drill for 2 minutes. If adding a tint or pigment pack to the material, add the tint at the rate of 1 pint per 3 gallon kit. Add the tint to part A and mix completely or until streak free. Then add part B and mix for 2 minutes. There is no induction period required and the material should be used immediately after mixing. Never mix more material than can be used in 90 minutes or less. The material should not be thinned. The material working time is 30 minutes.

Application

Application temperature is between 60° F- 90°F (15.5°C - 32°C). For the best results the temperature should be above 70°F (21° C). Pour the material on the surface and spread using a notched squeegee (5-8 mils) and backroll using a 3/8" nap shed free roller to remove any air bubbles. Two coats should be applied to insure even color for a pigmented finish. Aggregates can be broadcast into the wet material during the first coat wearing spike shoes.

Dry time (tack free) 7 hours.

Re-Coat time 7 hours.

Foot traffic 12 hours.

Heavy traffic 24 hours.

Safety

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.

Refer to the product Safety Data Sheet (SDS).

Product Warranty

Sundeck Products USA, Inc. standard warranty applies.

Disclosure

Dealers must carefully review site conditions, especially the substrate condition, and its moisture content. For floors that exceed 3 pounds MVR, Sundeck 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.

HEADQUARTERS

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