

SunEpoxy 400

Product description

SunEpoxy 400 is a low VOC, clear or pigmented epoxy coating, which exhibits exceptional properties previously unavailable with waterborne products. SunEpoxy 400 functions as a superior primer to Sundeck's epoxy, acrylic, polyurethane and polyurea materials. SunEpoxy 400 functions perfectly as a primer for our cement-based overlays. Serves well as a build coat for flake and quartz broadcast systems where a breathable floor is required or where there are moisture concerns. Can also be used as the top clear coat for interior applications.

Limitations

- Apply at temperatures above 60°F (15.5° C).
- New concrete should be cured for at least 28 days prior to application.
- 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.
- Do not install in direct sunlight.
- This product is not UV stable.

Packaging

SunEpoxy 400 is available in 1 gallon kits (3.7 L) and 4 gallon kits (15 L).

Storage Instructions

Store in a dry area between 50°F and 85°F (10°C -29.4°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 200-300 FT² per gallon. Average coat is applied 5-8 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. If applied over acid stains, surface must be properly neutralized.

Technical Information

Meets OTC, CARB, LADCO, & SCAQMD VOC restrictions.
SOLIDS by weight 50-55% VOC < 85 g/l

Two component water based Epoxy coating (clear or pigmented)

Mixing

The mixing ratio for the SunEpoxy 400 is 1:3 (1 part A to 3 parts B). The products are packaged in 1 gallon and 4 gallon units for easy use. The A and B components should be mixed separately before combining together. Combine the 2 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 pot life is 2 hours.

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.

Dry time (tack free) 3-4 hours.

Re-Coat time 7 hours.

Foot traffic 12-18 hours.

Heavy traffic 48 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 installer 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

Installers 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

SUNDECK PRODUCTS USA INC.
805 AVENUE H EAST #508
ARLINGTON, TX 76011 USA

Toll Free (877) 478-6335 • www.sundek.com
Email: solutions@sundek.com