

SunEpoxy 100 (High Traffic)



The industrial solution for decorative concrete floors.

DESCRIPTION

Epoxy flooring that is combination of low viscosity, 100% solids epoxy resin that can also be broadcasted with different types of chips and aggregate filler. These materials form a seamless, monolithic flooring system suitable for many heavy use areas. Broadcast aggregate is usually 20 - 30 mesh silica, Monterey type sand or decorative color quartz. Chips may be sized at 1/8", 1/4", or 1/2" to give the look of terrazzo. Double broadcast floors usually achieve a somewhat more uniform appearance and are the floors of choice for commercial applications where aesthetics is an important consideration.

Surface texture can be varied from aggressively slip-resistant for wet areas such as showers and food preparation areas to an "orange peel" mop able texture suitable for offices, hallways or laboratories.



Sundek Products Needed

- **Sun Epoxy 100** – 100% solids two part epoxy. Available in pigmented and clear.
- **HT Clear (solvent base)** – Available in pigmented, clear, and clear satin.

Product Description

SunEpoxy 100 - A low viscosity, 100% solids resin system. Modified Bisphenol A epoxy resin crosslinked with aliphatic and cycloaliphatic polyamines. This material cures blush-free and provides an outstanding balance of physical strength, flexibility and chemical resistance. Sun Epoxy 100 has considerably lower viscosity than most competitive products providing improved handling at cooler temperatures and the lower viscosity allows for the addition of silica fillers for easy application of “slurry” type floors.

Solids Content: 100%

Cure Time: Dry to Touch 6 hours. Recoat Time: 8 – 10 hours. Light Traffic: 16 hours. Full Cure: 7 days.

HT Clear (solvent base) – A two component saturated polyester crosslinked with aliphatic polyisocyanate. This product offers a remarkable combination of performance properties not found in other polymer coatings. HT Clear produces protective films which are hard, flexible and very impact resistant.

Solids Content by Weight: 63%.

Dry to touch: 4 – 6 hours. Recoat Time: 10 - 12 hours. Light Traffic: 24 hours. Full Cure: 7 days.

Application Instructions

Clean and etch concrete with a floor machine. Surface may also be diamond ground followed by solvent mop cleaning. Squeegee excess water and allow drying until there are no visible signs of moisture. Apply first coat as primer by cutting SunEpoxy 100 up to 20% with acetone. Allow to dry overnight. Slab and ambient temperature above 45 °F and rising staying above at least 6 hours. Moisture vapor transmission not to exceed 4lb/1,000 sq ft/24 hours. Apply 2nd coat without cutting it and if required, broadcast silica sand for slip resistance as solid color application, or proceed at this time to apply a SunFlek or SunChip broadcast. Allow to dry overnight. Scrape and vacuum the surface clean. Apply finish coat of HT Clear. Application of HT Clear must be done on a perfectly dry surface.