

SOLVENT-FREE CLEAR EPOXY SEALER

EASY CLEANING, GOOD COLOUR STABILITY CLEAR COATING UNIVERSAL APPLICATION ON FLOORING SYSTEMS EXCELLENT CHEMICAL AND STAIN RESISTANCE

PRINCIPAL USES

Floor coating on workshops, police cells, ablution blocks, walkways, food processing plants, hospitals and schools.

RESISTANCE

Weather: Coating will chalk and discolour.

Water and most Salt Solutions: Excellent resistance to splash and spillage and immersion up to 60°C.

For specific test data, contact StonCor Africa Technical Department.

NOTE: Staining may occur depending on length of exposure time, chemical concentration and temperature.

SPECIFICATION

Onto the prepared substrate or floor system, apply Stonseal 787 in accordance with manufacturers detailed instructions.

SUBSTRATE PREPARATION

Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbounded cement particles must be removed by mechanical methods, i.e. abrasive blasting or grinding. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent (CarboClean 250 and CarboClean 252) and rinsing with clean water. The surface must show open pores throughout with main aggregate in concrete exposed and have a sandpaper texture. Substrate moisture content prior to coating should be below 5% and substrate tensile strength above 1.5 MPa. For recommendations or additional information regarding substrate preparation, please refer to StonCor's data sheet or contact StonCor Africa Technical Service Department.

PREPARING STONHARD FLOORING SYSTEMS AND RECOATING

Before coating a Stonhard floor, all trowel marks and surface imperfections must be removed to produce a smooth surface. Grind the flooring using a floor grinder with medium stones and vacuum using an industrial wet/dry vacuum to remove all dust particles.

MIXING

Empty the entire contents of the Base and Activator components into a clean, dry mixing container. Mix thoroughly for 2 minutes with an impeller fitted to a variable speed drill. Transfer material into another mixing container, scraping the sides and bottom of the container and remix for another 2 minutes. This step is critical to ensure complete cross-linking of components is achieved. **Do not aerate mix nor mix by hand.**

APPLICATION TECHNIQUE AND SPREAD RATE

1. By short nap rollers – Apply 2 coats out of paint trays at 4m²/lt/coat.
2. White rubber squeegees – Pour mixed material in a bead line and spread evenly at 2-3m²/lt/coat. Roll material with a loop roller to level.
3. Notched trowels – Pour mixed material on floor and spread evenly with a 3mm notch trowel at a thickness of 1-1,5mm. Spike rollers are utilised by walking with spike shoes on the floor to level and deaerate the surface.
4. The use of floor lights is critical to ensure even spread and levelling without "pooling" has been achieved.

CURING

At normal temperature conditions the coating system can be exposed to light traffic after 24 hours. Excessive traffic, aqueous cleaning and exposure to aggressive chemicals should only take place after 7 days when full cure has been achieved.

REFERENCE SAMPLE

A trial reference sample should be installed by the applicator prior to start of contract to ensure correct coverages and workmanship.

CAUTION

Under no circumstances should Pro-Struct 105 Brush Cleaner be mixed with any Pro-Struct/Stonhard Epoxy Compound as this will inhibit the curing of the material. To avoid confusion, Pro-Struct 105 Brush Cleaner is coloured **blue**. In all cases, ensure that the first coat has not been contaminated by any foreign matter before applying subsequent coats. Abrade and vacuum to give a dust-free surface. Remove spots of Pro-Struct/Stonhard Epoxy on hands with cotton waste dipped in water. Always wash well with soap and water after using this material. **See also Instructions "Handling of Epoxy Products"**

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(Stonseal 787)

TYPICAL PROPERTIES AT 25°C

Finish	Gloss
Colour	Clear
Consistency	Liquid
Volume Solids	100%
Theoretical Coverage Per Coat technique	Refer application and depends on substrate conditions
No. of Components	2
Mix Ratio By Volume	Mix complete kit
Pot Life	20-30 Minutes
Apply Over	Concrete or Stonhard Solvent Free Coatings
Apply By	Nap roller, squeegee, notch trowel, looped or spiked roller, dependant on system overcoated
Curing Time	6-8 Hours – recoat 7 Days – full cure
Thinner	Nil
Shelf Life	12 Months
Service Temperature	60°C wet/dry
Application Temperature Range	15°C to 35°C
Dew Point	Substrate to be 2°C above dew point
VOC Content	34g/l

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