STONHARD

PRODUCT DATA

STONSEAL® 731

PRODUCT DESCRIPTION
Stonseal 731 is a two component clear solvent-based aliphatic polyurethane curing to a tough weather resistant high gloss finish.

USES
A protective industrial sealer for wood, masonry and concrete surfaces, e.g. floor and wall coatings in factories, ablution blocks, food processing plants, hospitals, schools and workshops. Ideal for “back of house” retail outlet floors.

PRODUCT ADVANTAGES
- Durable concrete sealer
- Excellent colour stability
- Glossy, tile-like clear topcoat

TYPICAL CHEMICAL RESISTANCE
Resists spillages of mild acids and alkalis, most petroleum products and aqueous solutions.

COLOURS:
- Light Grey
- Grey
- Dark Grey
- Brilliant Green
- Golden Yellow
- Signal Red
- White
- Clear

PACKAGING AND COVERAGE
5 Litre kit Stonseal 731, Part A + B
Primed concrete and smooth surfaces, 7 to 8m²/litre/coat – 2 coats required for roller application

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

TYPICAL PROPERTIES AT 25°C

Colour	Clear
Consistency	Liquid
Volume Solids	Clear 40%
No. of Components	2
Pot Life	6 Hours
Drying Time	4 to 6 Hours – tack-free 12 Hours – overcoat 48 Hours – service
Apply By	Brush, roller or spray
Coverage	7 to 9m²/litre
No. of Coats	Primer + 2 Topcoats
Dry Film Thickness per Coat	67 microns
Application Temperature	10°C to 30°C. DO NOT apply in direct sunlight
Service Temperature Range	100°C Dry – Max 50°C Wet - Max
Thinner	Thinner # 25
Cleaning	Pro-Struct 105 Epoxy Brush Cleaner
Shelf Life	6 Months
VOC	572 g/l

NOTE: The above physical properties were measured in accordance with the referenced standards. Samples of the actual floor system, including binder and filler, were used as test specimens. All sample preparation and testing is conducted in a laboratory, values obtained on the field applied materials may vary.

PLACEMENT GUIDELINES

SCOPE OF WORK (BOQ):
Prepare surface and apply 2 coats of Stonseal 731 onto Stonprime 639 primed substrates.

SUBSTRATE PREPARATION:
Remove oils, grease and other contaminants by scrubbing with Carboclean 252 and rinsing with clean running potable water, to obtain a water break-free surface. Allow to dry. Abrade the surface by etching or grinding or light vacublasting to remove laitance and open all voids. The roughened surface should have a texture similar to 100-grit sandpaper, and minimum tensile strength of 1.5 MPa, and moisture content of 5% maximum.

MIXING:
Empty entire content of the Activator component into the Base component and mix thoroughly for 2 minutes using 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 a further 2 minutes. This step is critical to ensure complete cross-linking of components is achieved. Do not aerate mix nor mix by hand.

PRIMING AND PATCHING:
Apply 1 or 2 coats of Stonprime 639 Primer at approximately 6m²/litre with a roller to seal the pores and strengthen the top concrete layer. Allow to cure for 6 to 12 hours before overcoating. If necessary, patch cracks and holes by filling with Pro-Struct 617 Epoxy Paste. Allow to cure and sand smooth before overcoating.

APPLICATION:
Dependent on wear and chemical resistance properties required, apply 2 or 3 coats of Stonseal 731 Clear Polyurethane at approximately 8m²/litre/coat using a short nap roller, allowing 6 to 12 hours curing between coats.

CURING:
If temperatures are between 16°C to 30°C, 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 5 days, when full cure has been achieved.

RECOMMENDATIONS:
- DO NOT attempt to install material if temperature of components and substrate are not within 16 to 30°C. The cure time and application properties of the material are severely affected.
- DO NOT use water or steam in the vicinity of the application. Moisture can seriously affect the working time and other properties.
- Protect areas from dust and isolate access. Contamination between layers will affect the final appearance.
- Avoid contact with all liquid Parts A and B as they may cause skin and/or eye irritation. Workmen should cover hands with protective creams or rubber gloves and wear safety glasses.
- Use only with adequate ventilation.

NOTES:
- Procedures for maintenance of the flooring system during operation are described in “StonCor Cleaning Procedures”.
- Specific information regarding chemical resistance is available in the Chemical Resistance Guide.
- Material Safety Data Sheets are available on request.
- A staff of technical service engineers is available to assist in installation or to answer questions related to our flooring products specifically or flooring problems in general.
- Requests for technical service or literature can be made through local sales representatives and offices, or corporate offices located throughout the world.

COLD CONDITIONS:
Low temperatures decrease flow, delay set and affect water resistance and final appearance. Materials should be conditioned for 16 hours at 21°C to 27°C; heaters should be utilised to warm floors.