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# Resiloc SL

## Heavy duty, self smoothing epoxy flooring system

### USES

Resiloc SL is a high solids, self smoothing epoxy floor coating, which provides an attractive and hard wearing finish on concrete floors.

### BENEFITS

- Excellent adhesion to substrate
- Seamless finish
- Durable, heavy duty floor
- Ease of application and convenient mix ratio
- Low maintenance of floor surface

### TYPICAL PROPERTIES

|                                     |   |
|-------------------------------------|---|
| <i>Pot Life @ 20°C</i>              | 65 minutes  |
| <i>Recoat Time @ 20°C</i>           | 18 hours  |
| <i>Traffic time – pedestrian</i>    | 24 hours  |
| <i>Traffic time – light vehicle</i> | 48 hours  |
| <i>Full Cure</i>                    | 7 days  |
| <i>Compressive Strength</i>         | 55 MPa  |
| <i>Flexural Strength</i>            | 16 MPa  |
| <i>Adhesion to concrete</i>         | >3.5 Mpa  |
| <i>Colours</i>                      | A wide range of colours are available, and can be made to order |

### PREPARATION

All surfaces to be coated should be clean and free of oil, grease or other contaminants which could inhibit bond. Loose or damaged concrete should be repaired prior to application of Resiloc SL, to provide a solid foundation for the coating. Any holes or large depressions can be filled with an epoxy mortar comprising Resiloc Binder and Resiloc Fillers. Smaller repairs can be made with Resiloc PM, a non slump epoxy patching mortar. Prime any porous areas of concrete with an application of Resiloc Binder at the rate of 5 – 7 m<sup>2</sup> per litre.

### MIXING

Resiloc SL is suitable for mixing using a drill and suitable paddle. Add the Hardener component to the Base component and mix thoroughly for 2 minutes to ensure proper mixing. Slowly add the Resiloc SL Fillers and colour pack while continuing to mix. Mix for a further 3 – 5 minutes.

Only mix as much material as can be used within the pot life of the product, and do not attempt to rework or retemper any partially set material.

### APPLICATION

Apply the Resiloc SL by trowel to a thickness of 2mm in an even pattern across the floor. Immediately after laying, use a spiked roller to remove trowel marks or uneven sections, and to release any entrapped air in the coating. Continue to roll with the spiked roller several times over the entire area prior to initial set of the coating. Always roll in the same direction in each pass over the floor.

Coverage is as follows:

Prime coat – Resiloc Binder 5 - 7m<sup>2</sup> per litre  
Top coat – Resiloc SL – 5m<sup>2</sup> per 10 litre kit

### CURING

Resiloc SL is suitable for pedestrian traffic after 24 hours and light vehicle traffic after 48 hours, however 7 days is required for full cure of this product.

### CLEAN UP

All equipment should be cleaned immediately after use using Resiloc Thinners. Cured material can only be removed mechanically, and with difficulty.

## SUPPLY

Resiloc SL is supplied in premeasured 10 litre kits comprising Base, Hardener, Fillers and colour pack. Resiloc Binder is supplied in 1.5, 6 or 30 litre kits.

## STORAGE

Resiloc SL should be stored in a cool, dry place in original unopened containers. Shelf life under these conditions is 12 months.

## PRECAUTIONS

Resiloc SL is designed for use in ambient temperatures between 10° - 35° C and all properties listed above assume a temperature of 20°C. Where conditions outside this range are encountered, please consult our technical staff prior to application.

Always read the product data sheet, MSDS and product label prior to use of this material.

Resiloc SL may be subject to slight surface imperfections such as dimpling, depending on site conditions. These imperfections should be considered normal, and will not affect the wearing properties or seamless/hygienic properties of the floor, but may be noticeable under certain lighting conditions.

New concrete should be allowed at least 28 days to cure before application of Resiloc SL.

Always use all the product within the potlife to avoid waste.

**Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.**

## TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

## ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

***Refer to Material Safety Data Sheet for precautions and personal protection***

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