Resiloc Binder

General purpose Epoxy liquid Binder

USES

Resiloc Binder is a high strength, two part epoxy liquid binder, which can be used on its own or with specially selected aggregates for a variety of uses, including priming, concrete repair and epoxy grouting.

BENEFITS

- Excellent adhesion – can be used as a primer for other concrete repairs
- Very high strength, even when filled
- Moisture tolerant - cures under damp conditions
- Ease of application and convenient mix ratio – two components with a 2:1 mix ratio
- Economical cost of material

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.

APPLICATION

PREPERATION

All surfaces to be repaired or primed with Resiloc Binder should be clean and sound. Cracked or damaged concrete should be repaired or removed, and any oil, grease or chemical contamination must be removed prior to repair or priming with Resiloc Binder.

PRIMING

When used as a primer, apply by brush, roller or spray at the rate of 4 – 6 m^2 per litre. Apply in an even pattern over the substrate.

TYPICAL PROPERTIES

Compressive Strength	90 MPa
Compressive Modulus	3.4 GPa
Tensile Strength	35 MPa
Pot Life @ 20°C	35 minutes
Tack free @ 20°C	4 hours
Full Cure	7 days

CURING

Resiloc Binder will cure under damp conditions, and floor screeds and concrete repairs will be trafficable after 24 hours. Allow 7 days 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 with difficulty.

STORAGE

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

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

MIXING

Resiloc Binder is a two part epoxy system, supplied in kits with a base: hardener ratio of 2:1. Ensure this product ratio is correct, then add the hardener to the base and mix thoroughly for 3-4 minutes. The use of an electric drill and paddle is recommended.

Only mix as much product as can be used within the product life and be aware the liquid epoxy can exotherm if not used immediately, resulting in a very rapid cure or premature set

If Resiloc Binder is to be used with fillers, mix epoxy as detailed above, before the addition of any fillers. Always ensure fillers are clean and dry – the use of Resiloc Fillers which are graded, washed and dried is recommended. Refer to the Resiloc Fillers data sheet for details of how to mix an appropriate blend for the job requirements.

PRECAUTIONS

Resiloc Binder 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.

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.

Refer to Material Safety Data Sheet for precautions and personal protection

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Location:
Factory 7
7-9 Brough St
Springvale.Vic.3171
Ph: 03 9701 3955
www.aitkenfreeman.com