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Resiloc 321

High strength liquid epoxy binder and bond promoter

USES

Resiloc 321 is a high strength liquid epoxy binder system, for use as a general purpose binder for repair mortar pastes or mortars, epoxy grouting, and as a primer for new to old concrete bond promotion.

BENEFITS

- Excellent adhesion to concrete substrate
- High strength
- Ease of application and convenient mix ratio
- Economical cost of material
- Suitable for a wide range of applications

TYPICAL PROPERTIES

<i>Compressive Strength</i>	85 MPa
<i>Bond Strength</i>	> 3.5 MPa
<i>Pot Life @ 20°C</i>	30 minutes
<i>Initial Cure @ 20°C</i>	24 hours
<i>Colour</i>	Clear when mixed
<i>Full Cure</i>	7 days

PREPARATION

All contacted surfaces to be treated with Resiloc 321 should be clean and sound, and free of oil, grease or other contaminants which could inhibit bond. Loose or damaged concrete should be repaired prior to application of Resiloc 321, or filled as part of the repair.

Where grouting, holes should be blown out with oil free compressed air to remove water or dust from the drilling of the hole.

MIXING

Resiloc 321 is suitable for mixing using a drill and suitable paddle. Add the Hardener component to the Base and mix thoroughly for 3 – 5 minutes to ensure proper mixing.

If fillers are to be used to produce a mortar, slowly add the required quantity of Resiloc Fillers to the mixed liquid and continue to mix mechanically for 2 – 3 minutes. The grade and amount of Resiloc Fillers can be varied to suit the application, and will affect the final product properties. Our technical sales staff can advise you and assist with specific applications.

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.

If not used promptly, liquid epoxy grouts or binders can be subject to exotherm and set prematurely.

APPLICATION

Neat Resiloc 321 can be applied by brush, roller or spray to the substrate, depending on the application.

Where used as a mortar, the method of application will depend on the final product consistency required, however will usually be suitable for application by trowel.

Where Resiloc 321 is being used as a new to old concrete bonding agent, the mixed product should be applied to the base slab just prior to pouring new concrete. Where reinforcing steel is being used, Resiloc 321 can be sprayed directly over and through the mesh. Do not allow the Resiloc 321 to dry or cure before placing grano toppings or concrete onto it.

Avoid waste by using all mixed product within the pot life.

CURING

Mortars or screeds comprising Resiloc 321 should be suitable for light loads and traffic after 24 hours. 7 days should be allowed for full cure of this product.

CLEAN UP

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

SUPPLY

Resiloc 321 is available in premeasured 4 litre or 20 litre kits comprising Base and Hardener Components. Resiloc Fillers are supplied in varying grades in 25kg bags.

STORAGE

Resiloc 321 should be stored in a cool, dry place in original unopened containers. Shelf life under these conditions is 12 months.

PRECAUTIONS

Resiloc 321 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.

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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