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Resigrout LE

High strength, low exotherm epoxy grout

USES

Resigrout LE is a high strength, flowable epoxy grout based on specially selected epoxy resins and hardeners. Resigrout LE is ideal for deep pour concrete repair, chemical anchoring, underpinning base plates, crane rails and other equipment subject to dynamic loads.

BENEFITS

- Excellent adhesion
- Low peak exotherm temperature
- High strength
- Moisture tolerant - cures under damp conditions
- Ease of application and convenient mix ratio
- Economical cost of material

TYPICAL PROPERTIES

<i>Compressive Strength</i>	95 MPa
<i>Flexural Strength</i>	34 MPa
<i>Tensile Strength</i>	32 MPa
<i>Bond Strength</i>	> 3.5 MPa
<i>Pot Life @ 20°C</i>	120 minutes
<i>Specific Gravity</i>	1.70 gm/ml
<i>Full Cure</i>	7 days

PREPARATION

All cracks and holes to be grouted with Resigrout LE should be clean and sound. Holes should be blown out with oil free compressed air to remove water or dust from the drilling of the hole. All bonded surfaces 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 Resigrout LE, or filled as part of the repair. Seal edges using Silicone sealant or mastic to create watertight formwork.

MIXING

Resigrout LE is suitable for mixing using a drill and suitable paddle, or by pump where large quantities are required. Mix thoroughly for 3 – 5 minutes to ensure proper mixing. 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 can be subject to exotherm and set prematurely.

APPLICATION

Resigrout LE is suitable for applications in gaps ranging from 50 - 500mm.

Resigrout LE can be poured into formwork for jobs such as grouting base plates, where intimate contact is required between the plate and grouting material. Ensure formwork is watertight by testing with water where possible, and seal edges with Silicone sealant where necessary. Formwork should be coated with a bond breaker or high viscosity grease to enable easy stripping of forms.

Pour Resigrout LE through the formwork in a single continuous application to avoid entrapment of air or water.

CURING

Formwork can be removed after 24 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

ResigROUT LE is available in premeasured 18 litre kits.

STORAGE

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

PRECAUTIONS

ResigROUT LE 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.

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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