



Aitken Freeman P/L
 Factory 7, 7-9 Brough St
 Springvale Vic 3171
 PO Box 548
 Noble Park Vic 3174
 Ph: 03 9701 3955
 Fax: 03 9701 3956
 Web: www.aitkenfreeman.com
 email: sales@aitkenfreeman.com

Epigard C

High build chemical resistance epoxy coating

USES

Epigard C is a 100% solids, high build, chemical resistant coating system for use alone, or with hard wearing aggregates to produce a skid resistance coating for steel and concrete. Epigard C is used where a high resistance to chemicals is required.

BENEFITS

- High strength, hard wearing and skid resistant
- Durable finish
- Chemical resistance
- Excellent adhesion
- Low maintenance

DESCRIPTION

Epigard C is supplied as a 2 part epoxy kit, comprising Base and Hardener components. Epigard C can be used with a broadcast aggregate to give a non slip, skid resistant finish.

TYPICAL PROPERTIES

| | |
|--------------------|--|
| Pot Life @ 20°C | 45 minutes |
| Recoat Time @ 20°C | 18 hours |
| Grit Size | |
| Fine | 500 micron |
| Medium | 1000 micron |
| Traffic Time | |
| Pedestrian | 24 hours |
| Light Vehicle | 48 hours |
| Full Cure | 7 days |
| Solids Content | 100% v/v |
| Colours | Light Grey – other colours available to order. |

CHEMICAL RESISTANCE

| | |
|--------------------|-----------|
| 20% Sulphuric acid | Excellent |
| 10% Nitric acid | Good |
| 50% Caustic soda | Excellent |
| Xylene | Fair |
| Petrol | Excellent |

PREPARATION

All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any loose concrete should be removed and repaired to provide a solid foundation for the coating. Prime any porous areas using Resiloc Binder applied at 8 – 10m² per litre.

MIXING

Epigard C is suitable for mixing using a drill and suitable paddle. Mix the Base and Hardener components for 5 minutes to ensure thorough mixing. Only mix that quantity of material (usually one kit at a time) that can be used within the setting time.

APPLICATION

Apply the Epigard C by brush, roller or spray at the rate of 5 – 7 m² per litre, in an even pattern over the substrate. Apply grit to the surface of the first coat if a non-slip finish is required.

Apply the second coat of Epigard C in the same manner as the first coat, however coverage will be less per litre of product due to the surface texture. Take care not to leave an excess of Epigard C on the surface, which may reduce the skid resistance.

CURING

Epigard C is suitable for pedestrian traffic after 24 hours. Allow 7 days for full cure of product.

CLEANING

Epigard C should be removed from tools and equipment immediately after completion using Resiloc Thinners. Cured material can only be removed mechanically.

ESTIMATED MATERIAL USAGE

Resiloc Binder: 8-10m² per litre
Epigard C: 5-7m² per litre

Note that coverage for the second coat of Epigard C will be reduced if grit is being used for a non-slip finish.

Fine Grit: 3kg per metre
Medium Grit: 2kg per metre

When broadcasting grit, allow extra material to saturate the surface. Excess can be removed once the first coat of Epigard C has cured.

SUPPLY & STORAGE

Epigard C is supplied in pre-weighed 1.5 litre, 6 litre, or 15 litre kits comprising Base and Hardener. Resiloc Grit is supplied in 20kg bags.

Epigard C has a shelf life of 12 months if kept in dry store in the original unopened containers.

PRECAUTIONS

Where temperatures of less than 10°C or greater than 35°C are encountered, consult our Technical Staff for specific advice.

Epigard C has been formulated to minimise the problem of water spotting which may be evident under cool and humid curing conditions. Trials should be conducted where these conditions will prevail during application of the product.

Do not attempt to rework or retemper any partially set product and avoid waste by using all the mixed kit within the pot life of the product.

Liquid epoxy products may exotherm and set prematurely if not used immediately. Once mixed pour the Epigard C out into a shallow tray for application by brush or roller.

PRECAUTIONS (continued)

Epigard C is non toxic, but it is alkaline in nature. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Contacted skin should be washed immediately with clean soapy water. Do not use solvent. If swallowed, seek medical attention immediately - do not induce vomiting. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy resins and hardeners can cause sensitisation in some individuals handling this type of product. Where this occurs seek medical advice before continuing use.

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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