

EPOMAST BEDDING GROUT

Epoxy Resin Based Flowable Grout

Description

EPOMAST BEDDING GROUT is a two-pack high-density material with good flow characteristics. When cured it possesses extremely high mechanical strengths, adheres tenaciously to most sound building surfaces, it is waterproof and resistant to a wide range of chemicals.

Typical applications include

- Bedding machine bases
- Bedding stanchion bases
- Bedding manhole frames
- Forming bridge bearing pads
- Grouting prestressing tendon anchorages
- Grouting fixing bolts and dowels

Typical Strengths after Full Cure

Compressive 89 N/mm², **Tensile** 19 N/mm², **Flexural** 52 N/mm²

Cure Time

Full cure is after 5 days at 20°C with approximately 50% of strengths achieved after 24 hours. Lower temperatures will prolong cure time, and material will not develop strength below 5°C.

Colour

A natural brown.

Use

Surface Preparation

Surfaces should be sound, clean, free from laitance, dust, oils or other deposits and surface dry.

Mixing

As viscosity and flow characteristics are influenced by temperature, before mixing, the pack should preferably be brought to a temperature of 15-20°C either by means of ambient storage temperature or by application of indirect heat. When packs are at suitable temperature empty entire contents of Base and Hardener packs into clean plastic bucket or similar and mix very thoroughly.

Unit sizes in excess of 10 kilos should preferably be mixed in a powered paddle mixer.

Application

Immediately after mixing pour material onto prepared surface maintaining a head of pressure and using trowel to assist flow. The application must allow for displacement of air. When working in low temperatures, flow will be facilitated by allowing material to stand for 5-8 minutes and then re-mixing for 1-2 minutes before placing. Protect material from moisture for 24 hours. Do not apply in temperatures below 5°C.

Yield

Approximately 615cu. cms. per kilo.

Resin-Based Construction Materials

Pot Life

This is influenced by temperature, volume of mixed material and type of container. Lower temperature, smaller volume and a wider container giving a shallower bulk of material, will extend pot life. Under normal conditions a pot life of approximately 25 minutes can be expected.

Cleaning of Equipment

Use **RESOKLENS** for cleaning equipment immediately after use and before material has set firm.

Storage

Keep all containers sealed, store at room temperature and away from direct heat. Under normal temperate and dry conditions a storage life at least a year can be expected.

Health & Safety

EPOMAST BEDDING GROUT should be handled carefully and skin contact, exposure to high vapour concentrations and ingestion avoided. Wearing of overalls, gloves and protective eyewear should be considered together with the application of a suitable barrier cream to hands where necessary. Proper regard should be given to the precautions necessary when storing and handling flammable solvents that are present in **EPOMAST BEDDING GROUT** and in **RESOKLENS**.

Refer to separate **EPOMAST BEDDING GROUT** and **RESOKLENS** Health and Safety sheets.