

# MITCHGROUT GP

## General Purpose Epoxy Grout

### DESCRIPTION

**MITCHGROUT GP** is an epoxy resin grout for structural applications including grouting of machinery foundations heavy duty support for crane and rails, machineries subject to heavy and dynamic loads etc.

### USES

- Crane and transporter rails.
- New and old machine base plates.
- Structural filling of holes and cavities in concrete.
- Industrial equipment and machinery subject to static or dynamic forces.
- Equipment where chemical and acid spillage occurs.

### ADVANTAGES

- **Free flowing**
- **Non-shrink**
- **Helps in rapid installation and gains high strength**
- **Resistant to acids and alkalis**
- **Capable of transmitting high stresses**
- **Capable of withstanding repetitive dynamic loading**
- **High compressive, flexural and tensile strength**

### FUNCTION

**MITCHGROUT GP** develops slight but controlled expansions, beginning at the time of placement, resulting in excellent dimensional stability. Because of its non-shrink characteristics, it remains stable in place without cracking, crumbling or delamination.

### METHOD OF APPLICATION

#### SURFACE PREPARATION

As with all epoxy resin applications the quality of surface preparation has a direct effect on the performance and durability of the system. Concrete surfaces should be sound, dimensionally stable, clean, and free from laitance, paint, oil, grease, mold release agent and residual curing compound. A rough scabbled surface is preferable. Metal surfaces or components to be bedded, should be free from any rust, scaling or paint. Formwork if used should be wrapped in polythene to ensure a clean release.

### MIXING

Do not split packs or alter the ratio of resin components in any way. Mix with a slow speed drill and paddle. Add the contents of the reactor container to the base component in a suitable mixing vessel, ensuring complete transfer of both resin components. Mix for one minute before slowly adding the aggregate and continue mixing until a flowing, Pourable

lump free consistency is achieved. Mixing for too long can entrain air.

### PLACING

Place immediately after mixing, into the prepared area in such a manner that it has the shortest distance to flow. For long pours a suitable head of pressure may be required.

Ensure the area to be grouted is not completely sealed, and any displaced air can be expelled. Pour continuously from one side only.

Allow the grout to set prior to removal of formwork (normally after 6 hours). Where placement exceeds depths of 80mm, application should be carried out in layers. The second layer should be applied after 6 hours.

**POT LIFE:** 20 to 30 minutes at 35°C

### CURING

Hardening Cure : 2 days  
Final Cure : 6 to 7days

### PROPERTIES

The following results are tested in lab condition for grout at 35 ± 2°C

#### Compressive Strength

1 day - 30 (N/mm<sup>2</sup>)  
3 days - 65 (N/mm<sup>2</sup>)  
7 days - 90 (N/mm<sup>2</sup>)

#### Flexural Strength

7 days - 32 (N/mm<sup>2</sup>)

### YIELD

0.5 L/ Kg

### VISCOSITY

Ford cup viscosity – 130 cps@25 °C

### SHELF LIFE

12 months in sealed containers under normal conditions.

### PACKAGING

11.25 kg packing consisting of Part A-Resin, Part B - Hardener, Part C – Filler

### SAFETY

**MITCHGROUT GP** contains resin which may cause irritation by skin contact. Avoid contact with skin and eyes. Remove splashes with resin removing cream followed by soap and water.