

FLUID EPOXY NOVOLAC GROUT

**HIGH CHEMICAL RESISTANT & EARLY
STRENGTH
EXCELLENT MECHANICAL PROPERTIES
EXCELLENT FLOW CAPABILITIES
& MOISTURE INSENSITIVE**

PRINCIPAL USES

Installation of bolts, anchors and dowels. Grouting under rail chairs to pre-set levels, grouting under machine bases and self-levelling grout for bearing pads. For effective horizontal flow, gaps are to be a minimum of 10mm but not greater than 35mm.

RESISTANCE

Weather: Surface will chalk.

Temperature: Excellent resistance to temperatures up to 90°C (dry) and 60°C (wet).

Acids and Alkalies: Excellent resistant but surfaces will discolour:

20% Hydrofluoric Acid, 20% Hydrochloric Acid, 5% Nitric Acid, 30%, 70%, 90% and 98% Sulphuric Acid, 50% and 80% Phosphoric Acid, 5%, 30% and 35% Sodium Hydroxide (Caustic Soda), 12% Sodium Hypochlorite, 50% Sugar Solution. The system will resist spillages of most other dilute organic and inorganic acids. For specifications, consult Pro-Struct Technical Department.

Petroleum Products: No damage by spillages of diesel, petrol, jet fuel and most aromatic and aliphatic solvents.

Water and most Salt Solutions: Excellent resistance to continual immersion at 60°C in most solutions.

SPECIFICATION

All grouting to be carried out using Pro-Struct 6380 Epoxy Grout to manufacturers detailed instructions.

INSTRUCTIONS

Prior to application, the surface must be clean, dry and sound and surfaces should be prepared in accordance with method 1 or 3 of surface preparation specification. Formwork should be liquid tight and strong enough to resist foras development during placement. Pro-Struct Epoxy is supplied in two attached containers which are separated by prising off the upper tin. The contents of these two containers must be mixed thoroughly together before application.

MIXING AND POURING FOR MINIMUM AIR ENTRAPMENT

Trapped air bubbles, for example under a machine bed, are likely to reduce the performance of epoxy grouts. Adopting the following mixing and pouring procedure will minimise this.

- Pour contents of activator into the base container.
- Use mechanical stirrer at low speed (150-250 RPM) or careful hand stirring, mixing for 5 minutes.
- Allow to stand for 5 minutes for air bubbles to escape.
- Cut a horizontal slot near the base of the can of size such that a litre of resin escapes from this hole in about 1-2 minutes and allows it to flow into the area to be grouted.

Clean equipment immediately after use with Pro-Struct 105 Brush Cleaner and rinse off in clean water.

CAUTION

Under no circumstances should Pro-Struct 105 Brush Cleaner be mixed with any Pro-Struct Epoxy Compound as this will inhibit the curing of the material. To avoid confusion, Pro-Struct 105 Brush Cleaner is coloured **blue**. Remove spots of Pro-Struct Epoxy on hand with cotton waste dipped in water. Always wash well with soap and water after using this material.

See also Instructions "Handling of Epoxy Products"

June '09 SA replaces June 08 SA

TYPICAL PROPERTIES AT 25°C

Finish	Gloss
Colour	Grey
Consistency	Pourable liquid
Volume Solids	100%
Theoretical Coverage per Coat	1m ² /5 litre kit @ 5mm thick
No. of Components	2
Mixing Ratio By Volume	Mix as supplied
Pot Life	30 – 40 Minutes
Apply Over	Cleaned concrete or sandblasted steel
Steel Bond Sheer Strength	>8 MPa
Compressive Strength Development ASTM D-695	1 Day – >70MPa 7 Days - >90MPa
Bond to Concrete ASTM C-881	Concrete failure
Shelf Life	12 Months
Max Service Temperature	60°C
Application Temperature Range	10°C to 35°C

CAUTION: MAY CONTAIN FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRONIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST, WORKMEN SHOULD BE REQUIRED TO USE NONFERROUS TOOLS AND TO WEAR CONDUCTIVE AND NONSPARKING SHOES