

PRODUCT DESCRIPTION: Fibgrout H3G is a high strength epoxy grout designed for grouting of machine and equipment bases of all types, formulated to be used in both thin and thick sections. Fibgrout H3G is suitable for grouting bases of numerous configurations. This shrinkage free formula gives excellent strength and resistance to many corrosive chemicals. Fibgrout H3G provides excellent bond to foundation and provides maximum bearing for long lasting grouting projects.

AREAS OF APPLICATION

- Pump, compressors and fans
- Deep fill machine bases
- All high strength applications including crane rails
- Tanks, turbines and housings
- Large anchor bolts and keyways
- Fertilizer petrochemicals industries, etc
- Corrosive industries

ADVANTAGE

- Non shrink, free flowing.
- Fast setting/quick return to service
- High chemical resistance
- Excellent bearing
- Excellent bond foundation to base plate
- Stable in deep or thick sections

APPLICATION METHODOLOGY

SURFACE PREPARATION

New concrete must be a minimum of 28 days old. The concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically, which will give a surface profile of exposing the coarse aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing. Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salts of the reaction must be thoroughly pressure washed away. Allow the concrete to completely dry.

NOTE: Even with proper procedures, an acid etched surface may not provide a strong bond as mechanical preparation procedures. All concrete must possess an open surface texture with all curing compounds and sealers removed.

FORM PREPARATION

Forms must be liquid tight to prevent leakage and they should be strong and well braced. To facilitate stripping, the forms should be coated with two applications of paste or each piece wrapped with polyethylene.

ANCHOR BOLT HOLES AND BLOCKOUTS

Holes and blockouts should be cleaned of all dust, dirt and debris and allowed to dry. If the sides are smooth roughen the hole with a stiff bristle wire brush or with rotary brush hammer if access permits.

MIXING

- Add Component B (hardener) of Fibgrout H3G to the component A (Resin) and stir thoroughly with the help of a drill mixer till homogenous mix is obtained.
- To this homogenous mixture, add component C (Powder) slowly in the above compound and ensure complete dispersion. Mix for 5 - 10 minutes till homogenous mix is obtained. The speed may be 300 - 500 rpm. Transfer this mix into a new container to avoid contamination of any unmixed Resin/Hardener.
- Then, wait for 2 - 3 minutes for the product to settle and allow the entrapped air to escape before pouring the material.
For large jobs, use a mortar mixer.

PLACEMENT

Pour into anchor bolt holes and blockouts through funnel or directly if space permits. When grouting plates, pour grout into the head box and allow to flow under the plate. Straps preplaced under the plate will aid in working the grout across. Grout should be placed at a minimum of 25 mm thick and a maximum of 152 mm per lift when placed in a large mass.

CLEAN UP

- Clean all tools immediately after use with Fibrex Paint Remover. Do not allow material to harden.

TECHNICAL SPECIFICATIONS

Appearance (A+B+C)	Grey color
Mixing Ratio(A:B:C)	2.29:1:10.18
Pot life at 30°C	45 - 60 mins
Consumption/yield	1950 kg/m ³
Compressive strength : (50 mm) cubes	
Time	Result
24 hours	53.94 MPa
3 days	72.57 MPa
7 days	80.42 MPa
28 days	88.26 MPa
Linear shrinkage	
3 days	0.013%
7 days	0.013%
28 days	0.013%
Flexural strength	
24 hours	23.54 MPa
3 days	24.52 MPa
7 days	25.5 MPa
28 days	26.49 MPa

FIBGROUT H3G

Epoxy Grout System for Equipment Bases

Product # 114.83
Version no: 16.11.23

Tech Data

Tensile strength:-	
1 day	13.73 MPa
28 days	13.73 MPa

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not apply FIBGROUT H3G on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using FIBGROUT H3G in those areas.
- Do not apply FIBGROUT H3G to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially.
- Do not apply FIBGROUT H3G over treated expansion joints.

Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with moisture content over 4 %
- Floors with rising moisture problem
- Asphalt based surface (interior)
- Floors with a pull off strength less than 1.5 N / mm²

COLOR

Every effort is made in manufacturing to maintain consistency of color, however exact color can vary from one batch to other batch.

PACKAGING

FIBGROUT H3G (A+B+C : 30 KG PACK)

Supply

2 Packs Set : 60 KG (A Part : 2 Nos, B Part : 2 Nos & C Part : 2 Nos)

STORAGE

FIBGROUT H3G has shelf life of 12 months if stored properly in original, unopened packing between +5° to + 40° in dry areas.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves, if necessary, a suitable barrier cream.

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

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DISCLAIMER:

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FIBREX OTHER PRODUCTS – WE DO

