



FOAM-JACK

2K INJECTABLE POLYURETHANE FOAM

TWO-COMPONENT CLOSED CELL POLYURETHANE RIGID FOAM

FOAM-JACK injection polyurethane foam is two-component foam that forms into an expansion foam with high lifting properties. **FOAM-JACK** is very versatile for multiple applications e.g. for cavity filling, slab lifting, soil stabilization and void sealing. It has excellent chemical resistance to acid and alkaline in ground substrate beside able to withstand water ingress. Due to its closed cell structure & hydrophilic natures, rigid polyurethane foam show little propensity to absorb water.

IMPORTANT INFORMATION

- + **FOAM-JACK** polyurethane system consists of methylene diphenyl diisocyanate (MDI) as part A, and part B consists of polyol, catalyst and other additives.
- + The surface temperature and confined area would have an impact on foam density.
- + Inject **FOAM-JACK** in continuous action to achieve a desired coverage or volume.
- + Avoid over injection for up-lifting of concrete slab. Slab shall be independent.
- + Workers must wear protective gear during the process of handling machine.

Standard professional procedure shall be followed for best result and safety.

APPLICATION

Mechanical packer or injection delivery system shall be installed at 1000mm interval in grid. **FOAM-JACK** can be applied into void filled with trapped water, damped soil, rock and other layer like marine clay, peat soil and most substrate. **FOAM-JACK** shall be applied by using a plural machine with parameters.

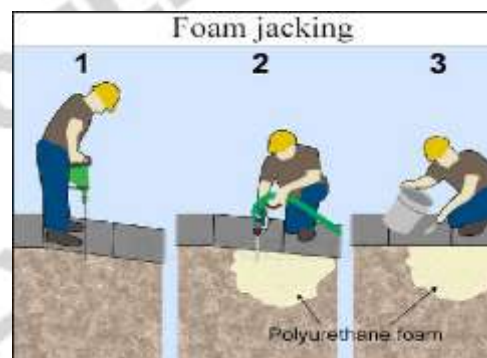
POLYCELL TECHNICAL DEPARTMENT

OUR COMPANY COMMITMENT – PolyCell's personnel are all fully trained to provide product information, guideline, training and technical assistance. We also provide product presentation and technical specification to Architects and Engineers.

Disclaimer: The technical data and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. However, no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. No guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will PolyCell be liable to anyone except for replacement of the products or refund of the purchase price. We assume no responsibility for the coverage, performance & injuries resulting from it's used.

ADVANTAGES

- + Excellence resistance to ground acid.
- + Primary waterproofing resistance
- + Hydrophobic & Seamless
- + High Bonding to many types of material.
- + Closed-cell structures.



METHOD OF STATEMENT

The process involves a number of steps equipment and technic. Our experts in the field strategically drill 16mm holes at grid of 1 – 1.2m apart, through the existing concrete or road substrate where void have occurred beneath the slab causing it to settle. Injections pots are then insert into the drilled holes follow by injection with a pneumatic plural machine. The injection of **FOAM-JACK** will ultimately pack and fill the void. Once the injection process is completed, remove the foam excess from the drilled holes, plug with cement and make good.

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