



# FOAM-PACK

## 2K INJECTABLE POLYURETHANE FOAM

### TWO-COMPONENT CLOSED CELL POLYURETHANE RIGID FOAM

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

#### IMPORTANT INFORMATION

- + **FOAM-PACK** 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-PACK** in continuous action to achieve a desired coverage or volume.
- + Avoid over injection for up-lifting of concrete slab. Slab shall be independent and non-suspended.
- + Workers must wear protective gear during the process of handling machine.

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



#### ADVANTAGES

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

#### APPLICATION

Mechanical packer or injection delivery system shall be installed at 100mm to 1200mm interval in grid. **FOAM-PACK** can be applied into void filled with trapped water, damped soil, rock and other layer like marine clay, peat soil and most substrate. **FOAM-PACK** shall be applied by using a plural machine.

#### METHOD OF STATEMENT

The process involves a number of steps in 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-Pack** 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.

#### POLYCELL TECHNICAL DEPARTMENT

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