

# FOAM-GROUT™ 125



## ONE-COMPONENT SEMI-RIGID PU FOAM

### DESCRIPTION

**Foam-Grout™ 125** polyurethane grout is a single component semi-rigid pre-polymerized resin. This injectable **hydrophobic polyurethane** water-stop resin reacts with water to form high density foam.

**Foam-Grout™ 125** when comes in contact with water in concrete crack line, the expanding foam would create a pressurised foam material that work immediately to seal off the water seepage.

**Foam-Grout™ 125** polyurethane grout is specially designed and made to react with small volume of water to form a permanent material to block and seal off water seepage.

**Foam-Grout™ 125** polyurethane grout does not dissolve in water after foaming and it is widely used in concrete slab, bathroom area, car park, subway, water retaining structure and other general leaking area.



### FEATURES & BENEFITS

- + High adhesion properties.
- + Semi-flexible & permanent after cured.
- + No shrinkage.
- + Non- toxic when cured.
- + Good bonding strength.
- + Suitable for wet and damp conditions.
- + Easy Application.
- + No plasticizer as diluents which would likely decrease the bonding of PU to concrete surface, in which may cause the grouted area to **leak again**.

### APPLICATION

**Foam-Grout™ 125** area of usage to seal water leakage normally in building concrete structure such as :

- Crack and cold joint leakage part
- Leakage in concrete structure.
- Underground manhole structure.
- Roof slab.
- Wash room, toilet & wet area.
- Tunnel.
- Dam & Basement.
- Water Retaining Structure

### TECHNICAL CHARACTERISTIC

- Specific Gravity : 1.1 - 1.2 @ (25°C)
- Gel Time : 30 sec. @ (25°C)
- Setting Time : 300 sec @ (25°C)
- Viscosity : 250 - 450 @ ((25°C)
- Expansion Rate : 2000 - 3000%
- Compressive Strength : 8-9 mpa

### PRODUCT PACKING

Packing	: 10 kg/pail only
Packaging	: 10 litre HDPE pail
Shelf life (un-open)	: Six (6) months

**METHOD OF STATEMENT**

Identify the leakage line or area. At about 40 – 50mm away from the leaking spot, use a hammer driller to drill at 45° to the depth until hole intercept with the crack line or leak. Make sure it's drill bit size is the same diameter as the injection packer. Remove all dust and residue from drilled hole by using hand operate air blower or piped water. Install injection packer and start to inject **Foam-Grout™125** using a hand pump or **Kühlzer XR Series** electric grout machine electric. Inject the PU Grout and maintain the pressure at 5000psi for a few minutes before proceed to next grouting point. Re-inject the point by removing the used packer and reinstall a new one for a second time. These shall ensure the void or under pressurised area is fully pack with **Foam-Grout™ 125** polyurethane system. Remove packer after material set and plug hole with POLY-Plug to make good.

**MAINTENANCE OF MACHINERY & TOOLS**

For proper maintenance of machinery and tools, use **D-SOLV 100** to clean and flush pump system. Do not use any thinner or alcohol substance for cleaning.

After cleaning and flushing, fill the pump and hose system with **D-LUB 50** to preserve pump and parts. It is advisable not to use either organic oil e.g. automobile oil or cooking oil.

**HEALTH & SAFETY**

Use protective clothing, gloves and goggle at all time when handling materials and high pressure machine.

Wash with plenty of water and soap if liquid is smeared on skin. Seek immediate medical advice in case of material comes in contact of eyes or swallow. Make sure proper ventilation at work site is adequate.

[www.pollycell.com.my](http://www.pollycell.com.my)

**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.

The information 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.

ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF POLYCELL COMPANY.

Technical Data Sheet

Product: FG-125 \* Issue Date: Jul 2018 \* Revision Date: Jul 2018 Issue No:4\*Division:PUGrouting \*Total Pages: 2\*

**Polycell Sdn Bhd**

No.14 Jalan PJS 1/30,Taman Petaling Utama, 46000 Petaling Jaya, Selangor.

Tel: +603-7783 4368, +603-7496 2788 Fax : + 603- 7783 4369

Web site: <http://www.pollycell.com.my> email : [polycellsb@gmail.com](mailto:polycellsb@gmail.com), [enquiry@pollycell.com.my](mailto:enquiry@pollycell.com.my)