



# SOLIDGROUT PU

LOW VISCOSITY SYNTHETIC POLYURETANE INJECTION RESIN GROUT



ENGINEERING  
GROUT



## BENEFITS

- > Excellent waterproofing.
- > Low viscosity highly penetrating.
- > Quick setting.
- > Ultra high setting.
- > Easy to apply.
- > Excellent bond strength to concrete brickwork and masonry.
- > Suitable for damp or dry surface.
- > Excellent flexibility and elongation.
- > Water and weather resistance.

## DESCRIPTION

**SOLIDGROUT PU** is a low viscosity polyurethane base injection resin grout designed to seal leaking cracks, voids or fractures in concrete structures and stop running water.

## TYPICAL PROPERTIES

Typical application : To seal leaking cracks, voids or fractures in concrete structures. The single component system utilizes an accelerator to adjust the reaction profiles as needed for job site conditions.

## PHYSICAL PROPERTIES

TYPICAL LIQUID PROPERTIES	
Viscosity, 25F, (cps)	: 500
Specific Gravity	: 1.5
Physical State	: Liquid
Color	: Amber
TYPICAL CURED PROPERTIES	
Elongation (%)	: 44
Tensile Strength (psi)	: 2kg/cm <sup>2</sup>
Shear Strength (psi)	: 1.2kg/cm <sup>2</sup>
Water Absorption	: <1

## APPLICATION

### SURFACE PREPARATION

Drill holes at an approx 45° angle, offset to intersect joint / crack at approx middepth. Holes should be placed at appropriate intervals typically 12" apart to ensure full infiltration of the joint / crack with the **SOLIDGROUT PU**.

### MIXING

Add the accelerator to **SOLIDGROUT PU** as per the requirement and mix well without entraining air into the mix.

### APPLICATION

Mix is pumped through a piston pump capable of producing discharge pressure of > 250psi, until mix is overflow from the crack or hole. Pumping should proceed from packer to packer, with multiple passes on each hole until either stall pressure is achieved or raw grout flow is observed from the joint / crack subsequent to pumping upto the hole.

### CLEANING

All excess **SOLIDGROUT PU** GELFOAM.

## PACKING

**SOLIDGROUT PU** is supplied in 20litre vacuum sealed pails.

## SHELF LIFE & STORAGE

**SOLIDGROUT PU** will have a shelf life of 12 months in unopened container when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

# SOLIDGROUT PU



## QUALITY ASSURANCE

SOLID manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

## TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

**Disclaimer:** The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local SOLID representative.

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