



SOLIDGROUT PU

Low Viscosity Synthetic Polyurethane Injection Resin Grout



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.

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.

PACKING

SOLIDGROUT PU is supplied in 20 kg vacuum sealed pails.

PHYSICAL & TECHNICAL PROPERTIES

Reaction time	20 seconds
Setting time	2 minutes
Expansion rate	More than 10 times from its original liquid volume after react with water or moisture
Density	20kgs/m ³
Bonding strength	More than 0.8N/mm ² depend on different surface
Viscosity	Less than 300
Appearance	Wet : Dark brown Dry : Light yellow After expose to UV : Yellow



HOW TO USE

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 > 250 psi, 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.

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APPLICATION AREA

Bathroom and kitchen, RC flat roof and car porch roof, planter box, RC water tank, lift pit and basement slab, diaphragm wall, retaining wall, balcony and air-conditioner ledge, swimming pool and feature pond, RC gutter, and construction joint.

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 ~ 45 °C. Storage at higher temperature or high humidity may reduce shelf life.

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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