

# TECHNICAL DATA SHEET

## PU3000

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### DESCRIPTION

A single component flexible pre-polymerized polyurethane water reactive foam. This injectable hydrophilic polyurethane water-stop resin reacts to water to form a high solid elastic foam. When **PU3000** comes in contact with water, the expanding polyurethane foam would create a pressurised foam material that work immediately to seal the leakage passage. The polyurethane foam would form a permanent elastic material to seal off and water-tight the leaking area.

The foaming time is dependent on the surrounding temperature and the amount of water in the leak. With its' high density foam and low viscosity characteristic properties, this excellent quality Polyurethane Grout can be used in sea water retaining structure as well.

### FEATURES & BENEFITS

- ❖ High adhesion properties
- ❖ Elastic & permanent after cured
- ❖ No shrinkage
- ❖ Non- toxic when cured
- ❖ Excellent bond strength
- ❖ Suitable for wet and dry conditions
- ❖ Easy Application.
- ❖ No plasticiser as diluent which would likely decrease the bonding of PU to concrete, which is the causes the grouted area to LEAK AGAIN!

### USES

- PU3000** area of usage to seal water leakage normally in building concrete structure such as:
- ❖ Flexible joint leakage part
  - ❖ Leakage in concrete structure with movement.
  - ❖ Underground manhole structure
  - ❖ Tunnel
  - ❖ Dam & Basement
  - ❖ Water Retaining Structure

## **TECHNICAL CHARACTERISTIC**

Compounding ratio-one part product

Specific Gravity	1.12±0.06 @ (25°C)
Elongation	≥ 100%
Gel Time	13 sec. @ (25°C)
Foaming Time	180 sec @ (25°C)
Viscosity	250±50@((25°C )
Expansion Rate	700%
Tensile Strength	≥5.00 kg/cm <sup>2</sup>

## **PRODUCT PACKING**

Packing : 10Kg/Pail  
Sheif Life (un-open) : Six (6) months

## **CLEANING**

Do not use any thinner or alcohol substance for cleaning.

## **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.