

Description

Concrete often cracks. It is inevitably recognized and experienced. Concrete construction requires construction joints and cold joints. All of these unwanted openings in concrete structures may cause very serious problems of water leakage.

Most of these problems can be economically solved by utilizing the PENTENS High Pressure Injection Systems. PENTENS PU-300 one part polyurethane grouting is 100% solvent free and 100% solids. Its have been proven to accomplish two major purposes: one is to stop water leakage permanently, and the other is to maintain or even restore design strength. Slabs on grade, construction or control joints, parking garages, manholes, tanks, dams, and many other structures can now be fixed permanently. PENTENS PU-300 is approved for drinking water contact.

Uses

Areas of application include:

- Floor slabs
- Suspended floors
- Terraces and balconies
- Patios
- Bathrooms
- RC gutters and planter boxes
- Swimming pools
- Water tanks
- Basements and fountains
- Retaining walls

Advantages

- Negative side application possible
- Deep penetration into very small cracks
- Foam increases in volume to fill cavities and voids
- Adjustable gel times
- Excellent bond to wet surfaces
- Underwater injection approved
- Good adhesive strength, tolerant of movement
Inert after curing, constant volume, no shrinkage
- Does not create new cracks
- Non-toxic.

Technical & Physical Data

Form	Liquid
Color	Dark Brown
Solubility in Water	Hydrophobic
Solids (ASTM D1010)	100%
Density, g/ml (ASTM D3800-79)	1.15
Viscosity, cps (ASTM D2196)	500
Max. Expansion, %	1000
Induction Time, 20 ⁰ C/68 ⁰ F	30 sec
Gel Time, 20 ⁰ C/68 ⁰ F	120 sec
Elongation at break (%) (ASTM D412-98)	>20
Unconfined Compressive Strength (Sand Filled)	3000 psi
Corrosiveness	Non-Corrosive
Chemical Resistance	Resistant to more organic Solvent, Mild Acids, Alkali
Shelf Life	1 year when unopened and undamaged
Storage Condition	Store in a dry cool place
Packaging	20 kg/pail

Important Notes

1. Minimum ambient and substrate temperature is 5⁰C.
2. Material shall be store in a dry cool place. Good storage stability for unopened containers at 15⁰C ~ 30⁰C.

