



Eco-Friendly

**WATER BASED PU**

Non-Toxic

**SINOGRACE**

The Chemical Company

## Waterproof Coating

### PU-110 One Component Hydrophilic Water-Soluble

#### Polyurethane Water-stop Foam Gel/Flex

It is conventional one component water-soluble polyurethane hydrophobic foam, react with water rapidly to be solidified and expansion to sealing the crack. After reaction with water to form milk-white elastic gel, with advantage performances of fast speed, high strength, and little shrinkage, strong penetration-proof etc., widely used in waterproof works such as the tunnel, the subway, dam, underground garage, sewers, etc.

#### DESCRIPTION

#### TYPE

One Component Water-Soluble Polyurethane

#### KEY

#### FEATURES

- Low viscosity, water quick dispersion happening reaction, forming impervious elastic colloidal concretion body, has the good plugging stop-water performance.
- With water formed ivory elastic colloidal concretion body, has high compressive strength, low temperature resistance, good elasticity, penetration-proof quality is good wait for a characteristic.
- Can permeate into crack depth, reaction after forming institutional concretion body omni-directional fill plugging cracks.
- Good expansion, good performance of reaction with large volume water.

#### TYPICAL

#### PROPERTIES

##### PU-110A Gel Type

Appearance	Yellowish transparent liquid
Density (g/cm <sup>3</sup> )	1.0-1.2
Viscosity (mpa.s)	200-300
Gel time (s)	10-50
Expansion Ratio (%)	20-30
Water Embracing (s)	45-80 (5-15 times water)

##### PU-110B Flex Type

Appearance	Yellowish transparent liquid
Density (g/cm <sup>3</sup> )	1.0-1.2
Viscosity (mpa.s)	200-300
Gel time (s)	10-60
Expansion Ratio (%)	50-200
Water Embracing (s)	50-100 (5-15 times water)

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## APPLICATION

- Pool, towers, basement, shelter building such as irrigation seam plugging and waterproof coating.
- Metal and concrete pipe shaft preservation and steel structure of the corrosion.
- Underground tunnel, buildings foundation reinforcement.
- Architectural engineering distortion seam, construction seam, structural cracks plugging and reinforcement.
- Port and dock pier, DAMS, hydropower station with the curtain grouting reinforcement plugging.
- Geological drilling slurry-supported plugging, oil exploitation of water and mine where water gushing closed etc.

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## STORAGE

## AND

## HANDLING

- Available in 25 kg/ barrel or 10 kg/ barrel
- Store products in tightly closed original containers at 5-40°C
- Shelf life: 9 months from delivery date
- According to non-dangerous goods transport

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