Waterproof Coating

PU-110 One Component Hydrophilic Water-Soluble Polyurethane Water-stop Foam Gel/Flex

**DESCRIPTION**

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.

**TYPE**

One Component Water-Soluble Polyurethane

- 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.

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<thead>
<tr>
<th></th>
<th>PU-110A Gel Type</th>
<th>PU-110B Flex Type</th>
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<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Yellowish transparent liquid</td>
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<tr>
<td><strong>Density (g/cm³)</strong></td>
<td>1.0-1.2</td>
<td>1.0-1.2</td>
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<tr>
<td><strong>Viscosity (mpa.s)</strong></td>
<td>200-300</td>
<td>200-300</td>
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<tr>
<td><strong>Gel time (s)</strong></td>
<td>10-50</td>
<td>10-60</td>
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<tr>
<td><strong>Expansion Ratio (%)</strong></td>
<td>20-30</td>
<td>50-200</td>
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<tr>
<td><strong>Water Embracing (s)</strong></td>
<td>45-80 (5-15 times water)</td>
<td>50-100 (5-15 times water)</td>
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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.

**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