



Nantong Yu Ru Engineering Materials Co., LTD., Hydrophilic Polyurethane Grouting Material

1. Product introduction

Water soluble polyurethane grouting materials by composite polyether polyol and poly isocyanate reaction generated by isocyanate terminated hydrophilic chemical grouting material, encounter water to a rapid reaction, curing to expand and seal the cracks, so as to achieve rapid sealing effect. This product reacts with water is milky white elastic colloid, with fast speed, high strength, small shrinkage, impermeability and other advantages, widely used in subway tunnel, water conservancy and hydropower, underground garage, and sewers waterproof plugging engineering field

2. Advantages

◇ Low viscosity, fast in water dispersion reaction, the formation of elastic colloidal insoluble solid, with plugging sealing performance is good.

◇ The formation of white elastic colloidal solid and water, with high compressive strength, low temperature resistance, good elasticity, anti permeability and other features.

◇ The product is mixed with water and the effect is good, can penetrate into deep cracks, crack filling a full range of institutional consolidation after the formation of the reaction.

◇ The expansion of the product is good, the amount of water is large, with good hydrophilicity and irrigation, and the viscosity of the product and the curing rate can be adjusted according to the project

3. Application Range

◇ The pool, water tower, basement, grouting and waterproof coating shelter building

◇ Corrosion of metal and concrete wall pipe and anticorrosion of steel structure.

◇ Underground tunnel, building foundation reinforcement and ground dust treatment

◇ Deformation joints, construction joints, cracks in the construction of the building, plugging and reinforcement

◇ Port, wharf, bridge pier, dam, dam, hydropower station, curtain grouting, plugging and reinforcement

◇ When the geological drilling wall plugging, water gushing water and mine selective oil exploration in the block

4. Key points of construction

◇ Cleaning: carefully check the Water Leakage site, identify the leak, remove the dirt around the crack

◇ Punch: in leakage cracks on both sides of the cross hole spacing is 200-500mm, the leak can be intense

◇ Burying water stop needle: in holes where buried good fit the length of the needles, and then one by one tightly needle, let parts of rubber inflation and deflation in wall body, hands touch not shaking so far.

◇ Grouting: high pressure grouting can be taken, from bottom to top one by one to control the pressure in the needle, to see the adjacent cracks at the bottom of the pure pulp.

◇ Knock out needle: after grouting, use a small hammer to gently knock out the needle outside the concrete.

5. Technical Data Sheet

| Item | Project | Index |
|------|----------------------------|--|
| 1 | Appearance | Uniform liquid, no impurities, no stratification |
| 2 | Density,g/cm ³ | 1.084 |
| 3 | Viscosity, MPa.s | 2.8*10 ² |
| 4 | Coagulation time, S | 60 |
| 5 | Nonvolatile content, % | 80 |
| 6 | Rate of water expansion, % | 45 |
| 7 | Multiple packages water | 15 |

6. Storage and transportation

◇Stored in a dry, cool place.

◇The collision, transport may not be straight sun, rain, prevent fireworks