



Eco-Friendly

WATER BASED PU

Non-Toxic

SINOGRACE

The Chemical Company

Waterproof Coating

PU-111 One Component Oil-Soluble Polyurethane Hydrophobic Foam

DESCRIPTION

It is one component oil-soluble polyurethane hydrophobic foam, it reacts with water and expands to be a foam does not dissolve in the water. Not only used for waterproof plugging, but also with effect of reinforcement. It is widely used in subway tunnels, water conservancy and hydroelectric power, basement parking, sewage etc. for waterproof plugging and reinforcement projects.

TYPE

One Component Water-Soluble Polyurethane

KEY

FEATURES

- Excellent hydrophobic properties, high chemistry stabilities
- Larger penetration radius and solidification volume ratio, react with water quickly with large expansion pressure, pushing the liquid to the depths of crack and expand to form a tenacity consolidation
- Acid, alkali and organic solvent resistant, better resistance of chemical corrosion
- Coating smooth, wear-resisting, no mildew
- Excellent adhesiveness with concrete base and other construction materials
- Viscosity and cure speed can be changed according to the requirement of projects

TYPICAL

PROPERTIES

Appearance	Brown viscous transparent liquid
Density/g/cm³	1.1-1.2
Viscosity (mpa.s)	250-450
Curing time (s)	300-600
Solid content (%)	85
Foaming capacity (%)	2000-3000
Compressive strength (MPa)	8-9

APPLICATION

- Pools, towers, basements, air-raid shelters and other buildings seam filling and water-proof coating
- Anti-corrosion of metal and concrete pipes and steel structures
- Underground tunnels, foundation reinforcement and floor dustproof of buildings
- Buildings plugging and reinforcement of deformation joint,

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construction point, structural crack

- Plugging and reinforcement of ports, docks, bridge piers, dams ,hydropower station curtain
- Geological drilling lost circulation and protecting, selective water plugging in oil drilling, water gushing water in mines.

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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