

POWER PROTECT O-95

Oil-based Polyurethane Foam Injection Resin

Description

Single component, low viscosity, Hydrophobic closed cell polyurethane foam injection resin.

Applications

It can stop the water leaking in the building very fast, widely used in Subway Station, Tunnel, Culvert, Foundation Improvement, Soil Settlement, Reservoir, Port Project, Top Slab, Cracks Construction Join, Shrinkage Crack, Basement hairline crack etc.

Advantages

- Short waiting times during the works.
- Better crack penetration due to low viscosity
- Better sealing due to great adhesion with concrete.
- High resistance to aggressive chemicals.
- Permanent repair and long-term flexibility.
- Very reactive with water and can complete foaming process within 1 -3 minutes.
- Can retain its properties when mixed with weak base/acid, even with seawater.



Item	Standard Index	Test Results
Density (g/cm ³ 25°C±0.5°C)	≥1.00	1.16
Viscosity (Mpa.S 25°C±0.5°C)	≤1.0×10 ³	450 to 900
Curing Time /s	≤800	321
Foaming Capability /%	≥1000	2050
Non-Volatile Content/ %	≥75	78
Flash Point °C	≥124	130
The ignite Temperature °C		402
Reaction time with water @ 20 °C /s		18
Specific Gravity @ 20 °C		1.17