

FLEXIFOAM

SW-PU 200 & 500

ONE COMPONENT POLYURETHANE INJECTION GROUT

FLEXIFOAM IS SPECIALIZED TO USE FOR INJECT LEAKAGE WATER FROM CONCRETE, CRACKS AND JOINTS. AFTER INJECTED IT REACH THE WATER INSIDE THE STRUCTURES AND EXPANDS BECOMES A MASS OF FOAM AND IMMEDIATLY STOP THE WATER LEAKAGE.



TYPICAL USES

- STOP LEAKING UNDERGROUND CONCRETE STRUCTURES (CRACKS AND HONEYCOM).
- EXPANSION JOINT. TUNNELS. SUBWAYS. DAMS.
- CONCRETE PIPES. WATER TANKS. ELEVATOR PITS. BASEMENT CEILING AND WALLS.
- FLOORS AND OTHER SIMILAR STRUCTURES.

FLEXIFOAM SW-PU 200

One Component Semi Hard Polyurethane Injection Grout

SW-PU 200 is one component hydrophobic water-active polyurethane injection grout, after injected it reach and re-acts with water inside the leaking structures and starts to form foam and expand quickly, stops the water leak within a very short period of time. SW-PU 200 is semi hard foam. It is recommended to use stop leak and filling large cavernous spaces and cracks in concrete structures.

FLEXIFOAM SW-PU 500

One Component Flexible Polyurethane Injection Grout

SW-PU 500 is one component hydrophobic water-active polyurethane injection grout, after injected it reach and re-acts with water inside the leaking structures and starts to form foam and expand quickly, stops the water leak within a very short period of time. SW-PU 500 is flexible foam. It is recommended to use stop leaking water in expansion joint, cracks and other movement structures.

Characteristics

- **High flow ability.**
- **Hydrophobic.**
- **Fast re-act with water.**
- **Non shrinkage.**
- **Highly penetration.**
- **Durability.**

Advantages

- **1 component, no catalyst requirement.**
- **Easy handle and application.**
- **Widely application.**
- **Fast expansion.**
- **Low V.O.C.**
- **Chloride free.**

Technical specification

Characteristics	Standard	SW-PU 200	SW-PU 500
Appearance		Dark brown	Yellow
Viscosity	ASTM D 2196	140 cps	400 - 600 cps
Solid content	ASTM D 1010	≥ 90%	≥ 80%
Density	ASTM D 3800-79	1.2 – 1.3 kg/l	1.08 kg/l

Physical properties (after cured)

Characteristics	standard	SW-PU 200	SW-PU 500
Expansion rates		1500 – 3000%	≥ 700%
Tensile strength	ASTM D 638	≥ 4.0 Mpa	≥ 4.0 Mpa
Elongation	ASTM D 638	20 %	200-400%
Adhesion strength to concrete	ASTM D 4541	≥ 4.0 Mpa	≥ 4.0 Mpa
Corrosiveness		No corrosive	
Toxicity		Non toxic after cured	
Chemical resistance		Organic solvent, diluted acid, alkaline and microorganisms.	
Storage		12 month in room temperature (Un-open container)	
Packaging		20 kg/drum	