

**Polyurethane
Water-stop**



SILJEC[®]

Polyurethane water-stop agent

JV POLYMERS
innovative coating

DESCRIPTION

Consist of urethane, urea reaction and hydration reaction of harmony. It is a reaction product of inorganic powders and aggregates containing special additives. It also has strong chemical resistance, high hardness, high weatherability and strong adhesion to concrete. It is a polyurethane based flooring that is ductile and has excellent compressive strength

RECOMMENDED USAGE

- Defective Concrete (Cracked or Honeycombed)
- Concrete Construction Joints & Cracks
- Brick Construction, Geo Formations
- Waste Water Tanks, Water Reservoirs
- Tunnels, Dams, Mining, Soil Stabilization

ADVANTAGES

Upon contact with water **SILJEC** reacts to a foam while expanding its volume 30 to 40 times. The cured material is of a constant volume since water is not a component of the foam structure, the cured material is essentially not effected by water or dryness. The reacted material essentially does not shrink or swell

INSTALLATION

SILJEC reacts with the moisture in the structure and does not need large amounts of water to react. Simultaneous injection of water is typically not necessary. If the area of application seems to be completely dry, pre-injection of water may be recommended in some circumstances. All equipment, pumps and hoses must be dry avoid moisture contact with the mixture to prevent premature reaction. If product foams while pumping, immediately shut down the machine and flush with a cleaner to avoid built up and clogging of the equipment



SILJEC-2000HF(Hard foam index agent)

- ◆ The one-pack type urethane rigid foaming agent is a hydrophobic type (hydrophobic) that tightly packs concrete cracks, It reacts with a small amount of water or moisture, and is characterized by foaming while pushing out water. It is a universal product with a low defect occurrence ratio and no shrinkage due to dense cell formation

- **Purpose** : Slabs, balconies, underground parking lots, etc
Typical for cracks and joint indexes

SILJEC-1000SF(Soft foaming agent)

- ◆ One-component urethane flexible foaming agent has a characteristic of reacting with water which is leaked by the hydrophilic type (hydrophilic), It is applied where there is a lot of leakage of concrete underground structure
It also forms an elastic foam, which is used in expansion joints with severe shrinkage and expansion, and in areas with high vibration, and semi-permanently exposes them

- **Purpose** : Underground structures with large amounts of water leakage,
heavy vibration structures, expansion joints

GUIDELINES

All equipment, pumps and hoses must be dry. Avoid moisture contact with the mixture to prevent premature reaction. If product foams while pumping, immediately shut down the machine and flush with a cleaner to avoid built up and clogging of the equipment

Customer Service

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