

REBSTOP

PRODUCT DESCRIPTION

REBSTOP Ultra Seal is a specially designed waterstop system for concrete & masonry construction joints. The system is composed of REBSTOP Ultra Seal grout tube & Rebinject PU Polyurethane injection material.

REBSTOP Ultra Seal grout tube is made of high strength spiral steel wire covered with durable polyester fabric with injection ports at the ends. The grout tube design allows the injection of Rebinject PU Polyurethane injection inside the joint. Rebinject PU Polyurethane injection material consists of MDI based Polyisocyanates Prepolymer that expands into a tough, impervious, elastic foam upon curing. Rebinject PU fills up the gap, voids, pockets inside the joint which provides and guarantees watertight & leak-free joints.

REBSTOP Ultra Seal waterstop system is an effective and cost-efficient replacement of conventional PVC, Rubber, & Bentonite waterstops which provide water stopping action only in the midsection of the joint. The injection of Rebinject PU Polyurethane material seals the entire joint width.

USES & APPLICATIONS

REBSTOP Ultra Seal is designed to be used on vertical & horizontal concrete construction joints, cold joints, & isolation joints in basement retaining wall & floor, roof deck, reservoir, dams, water tanks and other joints where watertightness is required. It is also used on joints between masonry blocks & structural members (beam, column, slab) of exterior wall to prevent water seepage.

INSTALLATION PROCEDURE

REBSTOP Ultra Seal grout tube

Identify all joints with waterstop requirement. Rebstop should be installed on the joints prior to placement of form works for succeeding lift. Concrete surfaces should be free from dirt, laitance, other contaminants and foreign materials like wood, plastic, etc. that may prevent direct contact of the tube with concrete surface.

REBSTOP is manufactured in 4 linear meter rolls. Layout REBSTOP along the middle of the joint. Both ends of each roll which will be used as injection portholes should protrude 3 inches to 4 inches from the concrete surface profile (see drawings). Secure REBSTOP in place by means of tie wires. Succeeding REBSTOP should overlap the previous tube. For applications on pipes and other protrusions through walls and slabs, install REBSTOP around the perimeter of the pipe or protrusion. Formworks can be installed after installation of REBSTOP on all the joints.

REBINJECT PU Polyurethane Injection

Identify all protruding REBSTOP portholes after removal of formworks. Use appropriate tools and pump equipment as recommended by the manufacturer. REBINJECT PU Polyurethane Injection material can be injected after hardening of the concrete. Under normal conditions, injections can be made after 14-day minimum curing period. Flush in water using recommended pump equipment on each entry / exit ports. Inject REBINJECT PU Polyurethane at one end of the REBSTOP Tube. Continue to pump REBINJECT PU Polyurethane material until the liquid injection starts to flow out of the other end. Plug the entry / exit ports at the ends using appropriate stopper material. Repeat the injection process on all the REBSTOP Tubes.

PACKAGING & COVERAGE

REBSTOP Ultra Seal grout tube is available in 1/2" diameter size and 4 linear meter rolls.

One roll can cover approximately 3.7 linear meters of construction joint.

REBINJECT PU

PRODUCT DESCRIPTION

REBINJECT PU is an MDI based polyurethane and honeycomb in liquid injection material designed to stop water leaks in concrete & masonry structures. It is typically injected into cracks concrete, concrete & masonry joints, pipe intrusions, and for REBSTOP joint waterstop system. It expands and forms into a tough, impervious, elastic, dense, closed-cell foam material upon curing through which water will not pass. The curing of the material is hastened in the presence of moisture or water. The expansion of REBINJECT PU is approximately 20 times of its own volume in an unconfined environment. The expansion of the material will fill any void, honeycomb, crack and gap in the structure which will prevent water infiltration and exfiltration.

REBINJECT PU is one component and easy to use. It has good flexibility when cured allowing the continuous natural movement of substrate due to thermal shrinkage, expansion or settling. It has excellent adhesion to any surface and will bond tenaciously to dry or wet concrete. It is also approved for areas in contact with potable water.

USES & APPLICATIONS

REBINJECT PU is used to prevent and stop water leaks coming through cracks, joints, gaps, or voids on concrete and masonry construction. It can rapidly seal leaks on areas even with high water pressure such as basement retaining wall, water tanks, tunnels, pipes, reservoirs. It is also effective on sealing joints and gaps between wall & floor, cold joints, construction joints, expansion joints, pipe intrusions. REBINJECT PU is ideal for cracks that are subject for further movement.

REBINJECT PU is also designed to be used together with REBSTOP ultraseal joint waterstop system to prevent water seepage on concrete masonry joints as a better alternative to conventional PVC, rubber and bentonite waterstops.

INSTALLATION PROCEDURE

Repair / prevent water leak

REBINJECT PU can immediately and effectively repair and prevent leakages on cracks, gaps, joints, penetrations on concrete and masonry structures.

Identify areas subject for REBINJECT PU Polyurethane Injection. Drill holes at regular intervals along the crack, gap or joint. Pump REBINJECT PU through the injection ports until evidence of the material begins to show on the concrete surface and on the next porthole. Continue the injection work until all porthole ends has been injected. One liter of REBINJECT PU will fill up approximately 8 linear meters of crack.

For dry cracks or gaps, water may be introduced through the port holes prior to the injection of REBINJECT PU. The presence of moisture or water hastens the foaming reaction and curing of REBINJECT PU.

REBSTOP joint waterstop system

REBINJECT PU injection is also used together with REBSTOP ultra seal grout tube as a better alternative of PVC, bentonite & rubber waterstop.

REBINJECT PU injection is injected on installed REBSTOP tubes on concrete and masonry joints. REBINJECT PU will provide a permanent watertight seal on the whole joint width to prevent water leaks.

Please see REBSTOP ultraseal grout tube technical data for REBSTOP installation. Identify all joints where REBSTOP has been installed. Pump REBINJECT PU on one of the REBSTOP end. Continue the injection until the material starts flowing out of the other end. One liter of REBINJECT PU is enough to cover 2 REBSTOP rolls.

Repeat the injection process on all the REBSTOP tubes.

PACKAGING & COVERAGE

REBINJECT PU is available in 1 liter container. 1 liter can cover approximately 8 linear meters of crack or joint.