

# Why Rivestop System?

**Most innovative comprehensive system for a 100% waterproofing**

*“Over time the water always finds its way.*

*One of the major problems in civil & building construction, and more specifically, in hydraulic works, is given by the different behavior of concrete and plastic over time, by the constant & continuous water pressure that is exerted against the concrete walls, and by the gaps where water and moisture always find their way. And we all know how costly water leakage and possible future repairs are. Especially for drinking water tanks and/or similar”.*

## 1. How can we avoid leaks in concrete walls?

### RIVEPIPE + RIVEOUT

The formwork tube/spacer that is not lost inside the concrete wall, thus avoiding possible leakage that may arise between the gap of the conventional PVC tube/spacer and the concrete. Removable, reusable and recyclable.











### RIVESTOP

Mechanical system that exerts a constant pressure thus achieving a 100% waterproofing. A system designed for a watertight and hermetic sealing of the formwork holes.




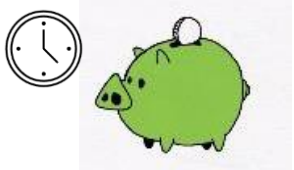
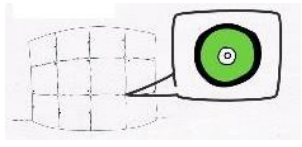

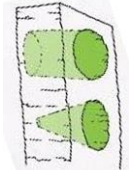




**MOST INNOVATIVE COMPREHENSIVE SOLUTION FOR A 100% WATERPROOFING**

## ADVANTAGES RivePipe & RiveOut

<p><b>A. RELIABLE WATERPROOFING</b></p> <ul style="list-style-type: none"> <li>• Avoids risks of possible leakage originated by the gap between the outer diameter of a conventional plastic tube/spacer and concrete.</li> </ul>	
<p><b>C. REUSABLE</b></p> <ul style="list-style-type: none"> <li>• Reduces work material and saves costs</li> <li>• Dear to a minimum of 20 reuses</li> </ul>	
<p><b>C. EASY TO USE</b></p> <ul style="list-style-type: none"> <li>• Simple: Anyone can do it</li> </ul>	
<p><b>D. ADAPTABLE</b></p> <ul style="list-style-type: none"> <li>• To all walls thicknesses</li> </ul>	
<p><b>E. REALIABLE AND SAFE</b></p> <ul style="list-style-type: none"> <li>• <b>Meets fire and smoke standards:</b> since avoids the risks caused by leaving PVC tubes lost inside concrete structures</li> </ul>	
<p><b>F. QUICK EXTRACTION</b></p> <ul style="list-style-type: none"> <li>• In a matter of seconds thanks to the help of RiveOut tool</li> </ul>	
<p><b>G. RESPECTFUL TO THE ENVIRONMENT</b></p> <ul style="list-style-type: none"> <li>• Meets the 3R of sustainability, reduce, reuse, and recycle.</li> <li>• Sustainable-Eco friendly construction.</li> </ul>	
<p><b>H. SIMPLE AND CLEAN</b></p> <ul style="list-style-type: none"> <li>• The formwork holes remain uniform, empty, smooth, and clean. Perfectly prepared to be sealed with RiveStop</li> <li>• It doesn't damage the wall. The wall is smooth and clean.</li> </ul>	



## RIVESTOP ADVANTAGES

<p><b>A. MECHANICAL SYSTEM</b></p> <ul style="list-style-type: none"> <li>Ensures a 100% watertight, permanent, constant, and durable seal.</li> <li>Depending on the reference chosen, RiveStop can work and withstand pressures of up to 8 bars.</li> </ul>	
<p><b>B. FAST AND ECONOMICAL</b></p> <ul style="list-style-type: none"> <li>Its application implies impressive <b>time savings</b> in labor, and consequently <b>cost savings</b> in the installation and indirect costs (like scaffolding rental for example).</li> <li>The operator performance is estimated at 360 holes/hour with a manual riveter, and at 500 holes/hour with an electric Riveter</li> <li><b>Cost savings greater than 90%</b> in man hours, compared to other alternatives in the market.</li> </ul>	
<p><b>C. THERE IS NO MARGIN OF ERROR</b></p> <ul style="list-style-type: none"> <li>The <b>Mechanical system</b> can only be activated by the riveter, which exerts and controls the exact and constant force for its expansion and installation. <b>Human factor is not involved.</b></li> <li>It's a <b>binary system</b>. Either Installed Or Not.</li> </ul>	
<p><b>D. SIMPLE, EASY TO APPLY AND FAST</b></p> <ul style="list-style-type: none"> <li>Installation is <b>10 times faster</b> than other non-mechanical solutions.</li> <li>You don't need a point of support.</li> <li>Application is very simple; anyone can do it</li> </ul>	
<p><b>E. ADAPTABLE, DURABLE AND RESISTANT</b></p> <ul style="list-style-type: none"> <li><b>Adapts to the size and shape of the hole</b>, both for <b>cylindrical or conical</b>. Being an elastic rivet, it adapts to concrete changes consistently over time Thus preserving the seal in a reliable and durable way.</li> <li>Each reference is adapted to a hole diameter, from 18 to 37 mm.</li> </ul>	
<p><b>F. CONVENIENT</b></p> <ul style="list-style-type: none"> <li>Can be applied in <b>any weather and temperature conditions</b>.</li> <li>Also, even with active waterways or water coming out of the hole.</li> <li>Suitable for repairs and maintenance works.</li> </ul>	
<p><b>G. CLEAN</b></p> <ul style="list-style-type: none"> <li>No stains or waste will be left in the concrete, wall, or soils.</li> <li>It doesn't damage the wall.</li> <li>No need of additives, adhesives, mortar, or other agents for the application, but it is compatible with most of them.</li> </ul>	
<p><b>H. VERSATILE</b></p> <ul style="list-style-type: none"> <li>The installation can be inner seal (deep inside the hole) or outer seal (flush with the wall, "Face View"). Also, the finishes of the washer can be of various materials (thermoplastic, stainless steel, etc.) and different colors (grey, white, etc.). It is a <b>customizable product</b>.</li> </ul>	
<p><b>I. EASY TO MONITOR</b></p> <ul style="list-style-type: none"> <li>It is not necessary to supervise each hole, at a first glance you see if the RiveStop is installed or not. Means <b>time saving and effort</b>.</li> </ul>	



## WHERE RiveStop & RivePipe could be used?

Could be used for both: new construction as for repairs and maintenance of concrete walls.

### A. BUILDINGS CONSTRUCTION- Rivestop references most used are PZ

- Concrete Structures with NO constant water, earth high pressure, etc. or high levels of humidity.
- Commercial Buildings (shopping malls, airports, sports facilities, hospitals, etc.,) residential buildings and houses.
- Architectural facades
- Underground and Garages (depending on pressure and humidity levels you could use PS references)



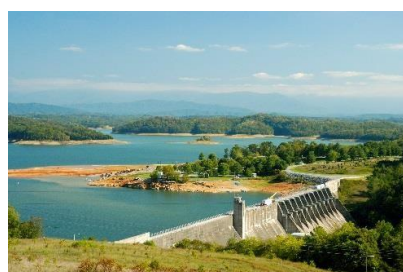
### B. CIVIL WORKS- It is recommended to use references RiveStop “PS” or “SS” either SS inner seal or SS -outer seal

- Any hydraulic work and structure with high pressure of water, soil, etc. and high levels of humidity
- Pools, gardens, and water parks
- Off-shore projects
- Tunnels, bridges, and roads



### C. OTHER CIVIL AND HYDRAULIC PROJECTS

- Tanks or deposits designed to contain liquids different from water
- Dams and dikes
- Desalination plants
- Water treatment Plants (both potable and wastewater)
- Wind plants
- Substations or biogas plants



**¡ATTENTION! Always contact us before you select the product, to choose the correct Rivestop for your work.**