

TECHNICAL SHEET Code Ref. D24x50PS



Mechanical system for waterproofing and hermetic sealing of formwork, tie rod, or tube bushings holes in concrete walls.

1. DESCRIPTION

RiveStop is a patented elastic rivet with an internal mechanical waterproofing system specifically designed to SEAL hermetically the formwork or tie holes (formed by the removal of a taper tie rod or a tie bar) on the concrete walls quickly, permanently and effectively. RiveStop provides a reliable and constant waterproofing. Is suitable both for interior and exterior works.

2. WHERE TO USE IT/USES

RIVESTOP is a patented elastic rivet whose mechanical system aims an hermetic SEAL, therefore, is suitable for a wide range of construction works:

- Any deposit, tank or structure designed to be liquid- or water-tight or liquid hold with pressure resistance.
- Drinking water or Waste water Treatment facilities
- Pump Stations
- Sewage Screening Facilities
- Chemical Treatment Facilities*
- Liquid Chlorination Facilities*
- Ground Storage Facilities
- Residential Buildings and Houses (also helps for soundproofing)
- Rain overflow chambers and any other Flood Control and Levee Structures
- Foundations and Diggings
- Dam, Levee (maintenance and restorations)
- Undergrounds, garages and Parking
- Lift shafts/elevators
- Pools and aquatic-waterparks
- Electrical substations
- Offshore Windmills and offshore barriers, sea walls, and any concrete structures on the sea (on ports etc.)
- Tunnels, bridges, retaining walls, desalination plants, amongst many others...

Ideal for new RESIDENTIAL building and CIVIL construction, of for RESTORATION AND MAINTENANCE WORKS.

*Chemical resistance: Rivestop is suitable for use in many chemical containment applications, but not all of them. Please consult our Engineering and Quality Department for details on compatibility and resistance of the Rivestop with a specific chemical composition and in your specific chemical environment or construction project.

3. MAIN ADVANTAGES and USP

- Is a **MECHANICAL SYSTEM**: ensures a closed, permanent, constant and durable **SEAL** of the holes formed in the concrete walls. 100% Waterproofing, never will slip out.
- Application is **TIME SAVING**, is truly impressive and thus cost savings: installed with a manual or electric riveter in approximately 3-7 seconds per hole. Does not require prior preparation.
- **NO MARGIN OF ERROR**: Application does no longer depend on the operator, no special skills or technical training are needed. The rivet always seals with a controlled, constant and uniform force with the action of the riveting machine. No misapplication is possible, it either is or isn't in place applied. Once the pin of the rivet breaks, the Rivestop is installed.
- **VERY EASY TO APPLY, SIMPLE AND FAST**: is proven that it can be installed 10 times faster than non-mechanical plugs. No special skills are needed, anyone can do it.
- **ADAPTABLE**: to the shape and size of holes (both for cylindrical and conical holes). No point of support is need to be applied, and it can also be placed on either side of the hole/wall. Each reference of Rivestop should be adapted to the hole's diameter.
- **DURABLE**: Adaptable to the concrete's integrity continuously (is an elastic rivet that changes with the concrete's behavior over the time and adapts itself to the hole), preserves the seal endlessly.
- **CONVENIENT**: Can be applied in any weather and temperature conditions, even with water coming out of the hole.
- **CLEAN**: It does not stain the concrete or wall, no drops on the ground, no special cleaning of tools is needed. No other concrete additives are needed. No longer need to use epoxy, bentonite rope, mortar etc., as an added precaution.
- **VERSATILE**: No other finishing to the wall is needed, but if the engineering requests a special finishing, additional product could be also used. Rivestop allows it. Also, it can be applied either in the hollow inner or in the edge of the wall, by the surface/edge of the wall's hole (for example, for fair face walls) and on either side of the Wall.
- **EASY TO IDENTIFY AND CHECK**: Its own system allows the operators, engineers or construction supervisor to check the overall wall, at first glance (or with the hand).
- **ASSORTED**: Many different finishes are available, the outer washer in different colors, different materials etc. It is an easily customizable product.

4. TECHNICAL SPECIFICATIONS

RiveStop is a product ready for use, with a manual or electric riveting machine.

- WEIGHT: 1,05+/-0.2 ounces (30 +/-5 grs.)
- SHAPE:
 - Original rubber body diameter: 1" (24mm)
 - Original rubber body length: 2" (50mm)
 - Total length of the piece (pin included): 3 - 5/16" (85mm)
- FO HOLE DIAMETER OF: 1" to 1-1/8" (25 a 27mm)
- MAXIMUM PRESSURE RESISTANCE: 58 psi (4 Bar)

5. MATERIAL SPECIFICATIONS

EPDM rubber
ALUMINIUM
STAINLESS STEEL
THERMOPLASTIC

COLOUR: Metallic grey and black rubber.

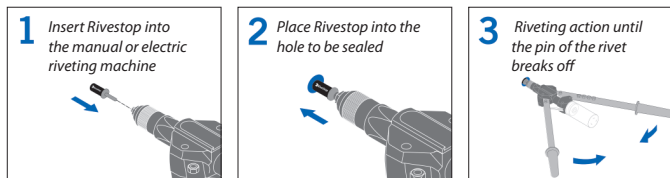
The standard outer washer is grey plastic or Stainless Steel. Other finishing and colour under request.

6. USE

1 piece per hole to be sealed (can be applied on either side of the wall)

7. INSTRUCTIONS FOR USE and INSTALLATION PROCESS

Rivestop is distributed ready to be used. It is very easy and fast to install, for its application it is only required a standard universal riveter (2-handed, long arm, is recommended) or an electric riveting machine. We place them at your disposal.



SURFACE PREPARATION: If necessary, it's recommended to clean the entrance of the hole to remove any remain of concrete, dust or sand to obtain a perfect watertight.

- 1. Insert Rivestop into the manual or electric riveting machine with a nose piece \varnothing 0,18-0,19in/4.8-5.00mm. (STEP 1)**
- 2. Place Rivestop into the hole to be sealed (STEP 2)**
- 3. Riveting action until the pin of the rivet breaks off (STEP 3)**

The riveting machine activates the internal system exerting a constant and exact force for a controlled expansion of the Rivestop. When applied, it expands inside the hole, exerting force against the walls of the hole, adapts itself to the hole pushing against the walls, thus sealing it completely with a uniform and controlled pressure. If the PIN does NOT break off, the Rivestop is NOT applied.

The holes to be sealed should have a continuous circular section.

Make sure you use the adequate Rivestop reference adapted to the diameter of the hole that allows the plug to be watertight.

The holes should not be previously treated with any other sealing product or additives, but they should be free from dirt and dust.

The installation of the plug is irreversible and can only be removed with the action of a drill.

If needed, you can refill or give a finish to the wall for esthetic purposes, but with Rivestop it is not necessary.

Rivestop is ideal for "fair face" walls.

8. PACKAGING, PRESENTATION AND STORING

- 6.6 US gal sealed pails – 500 units (25 L hermetic bucket)
 - 2.6 US gal sealed pails – 225 units (10 L hermetic bucket)
 - 1.6 US gal sealed pails - 80 units (4 L hermetic bucket)
- The product should be stored in the unopened package supplied until further usage



9. COMPLIANCE

Rivestop is CE-marked and carries Spanish and International patents.
We place Quality and test certificates, at your disposal, under request.

10. LIMITED WARRANTY

HYGIENE AND SAFETY: there are no specific precautions in the normal use of the Rivestop, except those from the normal use of the tools.
VALUE-ONLY BASIS: the written technical information into this Technical Sheet is based upon laboratory tests.
The given information can vary due to circumstances out of our control.

LIMITED WARRANTY

JABE warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable products included with such formwork), that Products and any associated application drawings and engineering services provided by JABE will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by JABE and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product covered by a timely claim are found to be defective, JABE will, within a reasonable time, make any necessary repairs or corrections or, at JABE's option, replace the Product.

Unless pre-authorized by JABE in writing, JABE will not accept any charges for correcting defects or accept the return of any Product.

This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than JABE, or that have not been maintained in accordance with JABE's specifications.

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