

Water Barrier™ F803

The F803 building entry repair seal is intended for sealing when leakage occurs between the pipe and wall/floor of an embedded pipe. The special profile of the rubber ring creates an effective seal between the pipe and the concrete.

Water Barrier™ F803 is intended for sealing when leakage occurs between the pipe and wall/floor of an embedded pipe. F803 is a so-called movement friendly seal, which allows for axial movement of the embedded pipe. The seal is adjustable and can be mounted from both the inside or outside of a wall.

The repair seal F803 can be used with all sorts of piping e.g. plastic, steel, concrete etc. and allows for generous axial movement of piping with a smooth surface.

The special profile of the rubber sealing ring creates an efficient seal between the pipe and the concrete. A cavity in the rubber ring is filled with grease in order to achieve a movement friendly seal. At the same time the grease prevents any water leaking through the seal where the piping may be scratched. The pressure of the clamping ring causes the seal to expand while simultaneously causing the pressure against the wall/floor to increase forcing the grease out from the sealing groove.

Material

The sealing ring is made of SBR-rubber with a hardness of $40^{\circ} \pm 5^{\circ}$ IRHD. The material satisfies the demands in the Europé Norm EN 681-1.

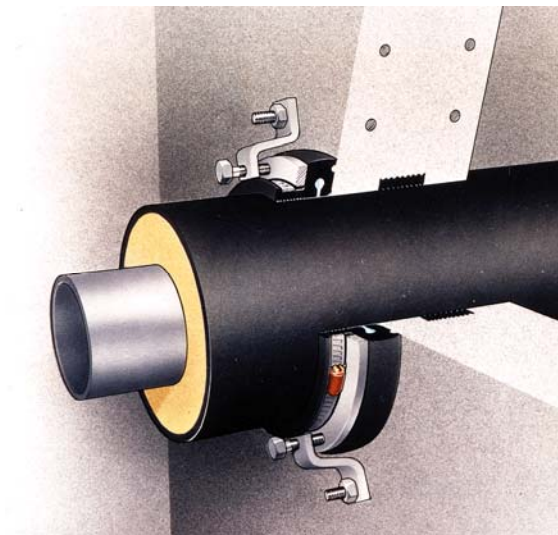
F803 seal have a very good durability against alkaline grow after embedment in concrete.

The hose clip is supplied as a standard component in aluzinc.

The maximum continuous working temperature for rubber material is $+ 45^{\circ}$ C. The seal can shortly be exposed to a temperature of $+ 95^{\circ}$ C.

Test Resultat

The seals in the F800-systems have successfully passed the function sealing test at Studsvik AB, Sweden and Fernwärme-ForschungsInstitut in Hannover, Germany.



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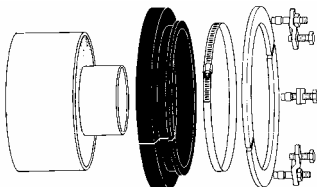
Mounting Instructions

1. Check that the space between the pipe and wall does not exceed 10 mm and also ensure that the pipe which is inserted in the wall is at least 80 mm.

2. Carefully clean the concrete for at least 50 mm around the hole. The concrete should be smooth and even and the hole should be free of any residue. The pipe should also be clean where the seal is to be fitted.

3. Cut the ring just before fitting. Use a sharp knife which has been dipped in water. Before gluing read the instructions below as well as the instructions on the tube of glue. Then place the rubber ring around a part of the pipe which is of a smaller diameter. If this is not possible, straddle the pipe and stretch the rubber ring so that the ends can be glued together. The recommended temperature when gluing is a minimum of +7°C. Before gluing, carefully check that the ring is in the correct position. The surface which is to be glued must be clean and free of grease. Spread the glue evenly on only one of the edges. Press the edges together and hold them pressed for appr. 30 seconds. Please note that the glue sticks immediately. It is not possible to make further adjustments later.

4. Fit the rubber ring onto the pipe. Turn the ring inside out and fill the groove with the special grease provided. (This does not apply to ring diameters 110-160 mm, where the ring must be filled with grease before fitting onto the pipe). Then fill the sealing groove with the sealing compound provided. The rest of the sealing compound can be used to fill the space between the pipe and the concrete wall.

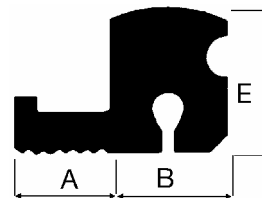


5. Turn the sealing ring back to its original position. Press the ring against the concrete wall and fit the hose clip. Tighten the hose clip so that the sealing ring comes into close contact with the pipe. Bore holes in the wall for the clamping dogs' expanding bolts. Use a clamping dog as a jig. Place the end clamping dogs at least 50 mm from the open ends of the clamping rings. Position the rest of the clamping dogs evenly around the pipe.

The number of clamping dogs required for the pipes is as follows:

O.D. 110 - 355 mm	6 units
O.D. 400 - 630 mm	8 units
O.D. 710 - 1000 mm	10 units

6. Mount the clamping rings and clamping dogs. Adjust, if necessary, the clamping ring so that it has good contact with the rubber ring. Please note that the clamping ring should not come into contact with the concrete wall. Press the clamping ring behind the screw holder of the hose clip. Tighten the clamping dogs so that the seal is pressed against the wall making the unit watertight. Adjust and tighten the hose clip. Make further adjustments of the clamping dogs and hose clip if necessary.



PIPE O.D mm	A	B	E
110 -180	26	25	37
200 - 1000	26	31	37

Detailed mounting instructions can be provided on request.

DIMENSIONS DY IN MM / ART NO.

PIPE DY	ART NO	PIPE DY	ART NO	PIPE DY	ART NO
110	1645900	225	1657602	450	1810706
124	1645900	250	1657799	500	1810804
140	1645901	280	1810300	560	1811003
160	1645902	315	1810405	630	1811206
180	1645904	355	1810175	710	1811304
200	1645906	400	1810601	800	1811500

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