

Water Barrier™ F802

The embedment ring F802 is intended as a seal at embedments in concrete walls and floors. The special profile of the rubber ring creates an effective seal between the pipe and the concrete.

Water Barrier™ F802 is used for water and/or radon sealing at embedments in concrete walls and floors. The seal is suitable for all types of piping, e.g. plastic, steel, cast iron, concrete etc., and is fitted onto the pipe for complete embedment. In some cases the ring can be used on corrugated plastic piping.

The unique profile of the ring, together with the hose clip provides an effective seal between the pipe and concrete. This effective sealing is partly due to the ability of the hose clip to hold the rubber ring in close contact to the pipe during the concreting process. The flanges of the ring are effectively fastened in the concrete during the setting process.

The F802 seal can be advantageously used where a pipe is not subjected to great axial movement. Where excessive axial movement is present we recommend our sealing rings F801, F803 or F804.

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 Europe Norm EN 681-1.

F802 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. The Swedish National Testing and Research Institute has, in an official report, approved the ability of the F802 to prevent radon gas.



” The unique profile of the ring, together with the hose clip provides an effective seal between the pipe and concrete.”

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F802 embedment ring is normally a little less in diameter than the pipe in question (2 - 8% depending on the pipe diameter).

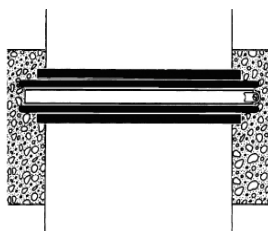
If the seal needs to be pushed along the pipe a greasing agent can be used or the ring can be "rolled" along the pipe. We can supply the greasing agents.

If a hole is bored in a concrete wall in preparation for embedment of a pipe/sealing ring we recommend the following minimum bore holes:

Pipe dimension	Hole dimension
50 – 180	Pipe dim. + 75 mm
≥ 200	Pipe dim. + 110 mm

When fitting in other types of hole (e.g. rectangular) there should be free movement around the ring of:

Approx 15 mm	Pipe dim. 50-180 mm
Approx 25 mm	Pipe dim. 200 mm

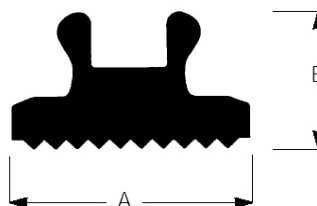


F802 embedded in concrete. F802 should be mounted in the concrete floor with at least 30 mm covered.

Mounting Instructions

1. Fit the sealing ring and the hose clip onto the pipe.
 2. Tighten the hose clip so that the ring cannot be moved axially or radially on the pipe.
- The effective sealing quality of the F802 is partly due to the ability of the hose clip to hold the ring close to the pipe during the concreting process.*
3. Ensure that the ring is completely covered by concrete. This applies especially where a pipe is angled in a concrete floor, e.g. radon sealing of drains. In such cases it would be better to fit the ring onto the drain itself.
 4. Vibrate the concrete so that there is good contact on the rubber ring.

Contact us for alternative mounting suggestions.



Dimension	A	B
50-180	40	22
200-1000	50	27
All measurements in mm		

DIMENSIONS DY IN MM / ART NO. / RSK NO.

PIPE DY	ART NO	RSK NO	PIPE DY	ART NO	RSK NO	PIPE DY	ART NO
50	1645901	4054769	225	1810804		800	1812203
63	1645902	4054751	250	1811003		900	1815404
75	1645904	4054752	280	1811206		1000	1818605
90	1645906	4054753	315	1811304		1500	1819280
110	1657602	4054754	355	1811500		2000	1819380
125	1657799	4054755	400	1811605			
140	1810300	4054756	450	1811703			
160	1810405	4054757	500	1811801			
175	1810175	4054771	560	1811906			
180	1810601		630	1812000			
200	1810706		710	1812105			

We can also supply special sealing rings in the dimension you require.

wideco sweden

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