



MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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SPLIT ACOUSTICAL WALL SEALS FOR PIPE

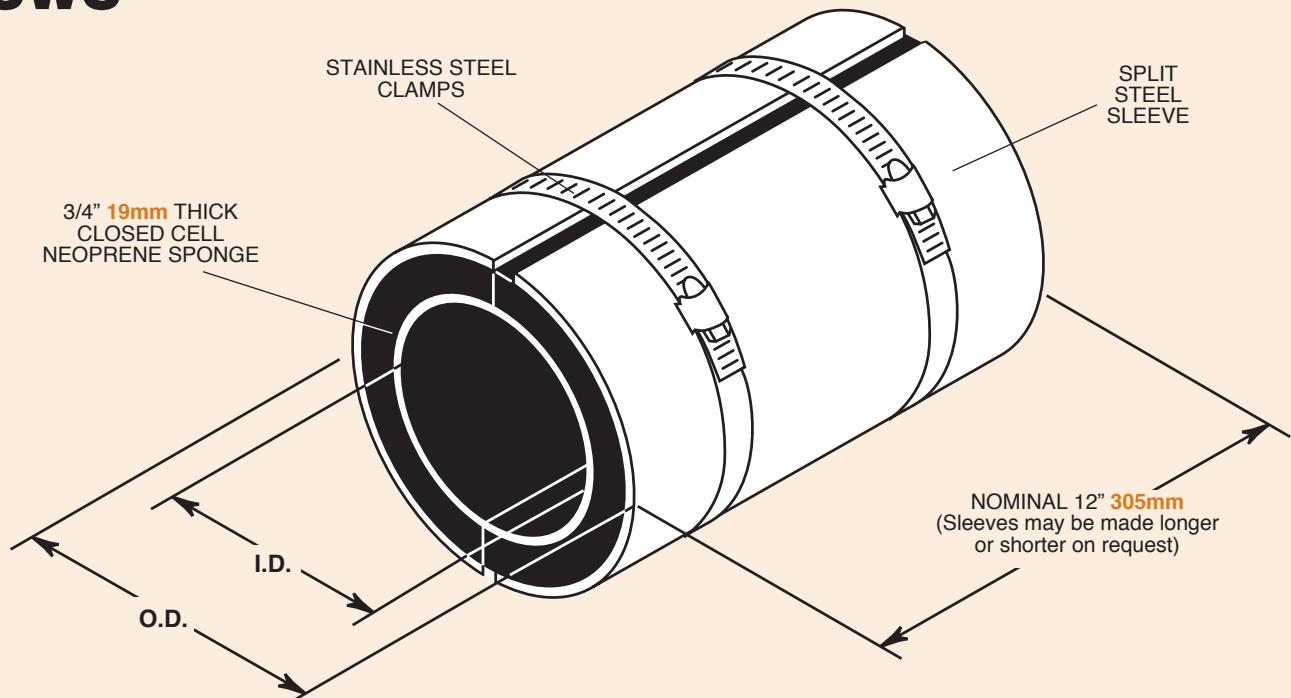
SWS

DATA SHEET DS-631A-3

The problem of establishing a sound seal around piping passing through walls has always been difficult. Normally a sleeve is left in the wall and the pipe passed through later. The periphery is eccentric, so fiberglass packing becomes makeshift and caulking

even more nebulous. Only a skilled, supervised worker can do the job properly. The SWS acoustical wall seal is a simple positive device that does an excellent job and presents a neat appearance. Installation is simple as described below.

SWS



INSTALLATION PROCEDURE

If pipe is in place before wall construction:

1. Clamp SWS in place around pipe.
2. Build or pour wall around SWS.
3. Pack concrete around SWS and caulk any cracks.

If hole is broken or left in wall:

1. Pass pipe thru opening.
2. Clamp SWS in place.
3. Pack concrete around SWS and caulk any cracks.

TYPE SWS DIMENSIONS

Metric Dimensions

SWS Size	Wall Seal Pipe Size (in)	Installed I.D. (in)	Outer Shell O.D. (in)	Wall Seal Pipe Size (mm)	Installed I.D. (mm)	Outer Shell O.D. (mm)
75	3/4	1	23/4	20	25	70
100	1	1 1/4	3	25	32	76
125	1 1/4	1 5/8	3 1/4	30	41	83
150	1 1/2	1 3/4	3 1/2	40	44	89
200	2	2 1/4	4	50	57	102
250	2 1/2	2 3/4	4 1/2	65	70	114
300	3	3 3/8	5 1/8	75	86	130
350	3 1/2	3 7/8	5 5/8	90	98	143
400	4	4 3/8	6 1/8	100	111	156
500	5	5 1/2	7 1/4	125	140	181
600	6	6 1/2	8 1/4	150	165	206
800	8	8 1/2	10 1/4	200	216	260
1000	10	10 5/8	12 3/8	250	270	314
1200	12	12 5/8	14 3/8	300	321	365
1400	14	13 7/8	15 5/8	350	352	397
1600	16	15 7/8	17 5/8	400	403	448
1800	18	17 7/8	19 5/8	450	454	498



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ACOUSTICAL CAULKING

PVC LOW DENSITY FOAM

CC-75 & P7

DATA SHEET DS-56-1

CC-75 ACOUSTICAL CAULKING

Composition: Synthetic Rubber.

Consistency: 290-310 ASTM-D-217 brass cone, 5 seconds, 150 grams to the moving load.

Aging: Achieves a firm but an elastic, rubbery set. Very slight tack after 52 days conditioning at 158°F. 70°C. (an established laboratory temperature to produce accelerated aging.)

Accelerated Aging: Firm but rubbery and elastic set, good to excellent adhesion, no significant change in characteristics after 266 hours in Weatherometer (equivalent to about 1.5 years of exterior exposure).

Flexibility: Samples were bent around a 1/4" 6mm mandrel in 180° arc without any cracking in the sealant. Samples were first conditioned by placing

round 1/8" 3mm beads on nonporous surfaces and aged 2 days at 75°F. 24°C., then subjected to 3 weeks at 75°F. 24°C.; 24 weeks at -40°F. -40°C., and 3 weeks at 158°F 70°C..

Adhesion: Metal to Concrete—Excellent; Gypsum to Metal—Excellent; Gypsum to Concrete—Excellent.

Extension: 150 to 200% (cured bead).

Oil Migration: Does not exude oil when applied between two metal panels bolted together allowing 1/16" 1.5mm seal and assembly conditioned for one week at 158°F. 70°C..

Staining: Non-staining when used as recommended.

Gunnability: Satisfactory at 5°F. -15°C. thru 3/8" 9mm nozzle.

P7 PVC LOW DENSITY FOAM

Description: P7 PVC Low Density Foam is an economical general purpose foam. Low Density foam is used for applications requiring a seal for tight radius curves. Low density remains pliable at temperatures of -4°F -20°C to 172°F 78°C.

PVC Foam – Physical Property Technical Data

Parameter	Test Method	Size/ Condition	Typical Values
Hardness "00"	ASTM D-2240		20 - 40 Duro
Force to Compress to 25 psi 1.7 kg/cm ²	ASTM D-1667	3/4" 20mm	0.5 - 3.5 lbs. 0.2 - 1.6 kgs.
Compression/ Deflection	ASTM D-1667		0.5 - 2.5 psi .03 - .17 kg/cm ²
Water Absorption	ASTM D-1056		12% max
Tensile	ASTM D-412	DIE A	15 psi 1kg/cm ² min
Elongation (%)	ASTM D-412	With adhesive Without adhesive	50% min 80% min
Flammability	MVSS 302		Self-Extinguishing
Density	ASTM D-1667	3/4" 20mm	5.5 - 8.5 lbs/cu ft 88 - 136 kg/cu m

3/4" 20mm
Thickness

