

STS[®] TIRE SEAL

MORE SEALING. LESS CORROSION.



1-800-233-7086
www.imiproducts.com

How is “STS” Tire Seal Installed?

This extremely effective sealant is easy to install either in the shop or on a service call.

Regular Formula for Air-Filled Tires

To install 16 oz. bottle (473 ml) . . . Make sure wheel is jacked up before deflating. Using supplied tool, remove valve core and deflate tire. Cut tip of bottle (approx. ¼ in. from tip) and attach supplied filler tube. Attach filler tube from bottle to valve stem, then slowly squeeze sealant into the tire at an angle. Replace valve core and re-inflate tire to recommended PSI.

To install from 1-gal. (3.78 L) container with hand pump . . . Use slow, steady up/down hand pump strokes to avoid clogging. Once primed, each down stroke delivers 1 oz. (29.5 ml) of sealant. Rotate tire so valve stem is at the 3:00 or 9:00 position. Remove valve stem core and deflate tire. Connect pump hose assembly to the valve stem. Install recommended tire sealant quantity. Push down on pump handle until it rests solidly on pump base. Remove hose assembly from the valve stem. Replace valve core and inflate tire to recommended air pressure.

To install from a 5-gal. pail with the hand pump . . . (Note: hand pump may be used against tire pressures up to 30 PSI.) Rotate tire so valve stem is at the 3:00 or 9:00 position. Remove valve stem core and deflate tire. Connect pump hose assembly to the valve stem. Pull on pump handle until fully extended. Push down on pump handle until it rests solidly on pump base; 8 oz. of sealant will be delivered. Refer to quantity chart for tire size and quantity.

Remove hose assembly from the valve stem. Replace valve core and inflate tire to recommended air pressure.

– Rotate Tire and Wheel after “STS” Tire Seal Application –

Concentrate Formula for Fluid-Weighted Tires

To install concentrate formula tire sealant from 5-gal. pail and hand pump . . . Position valve stem at 12:00. Remove valve stem core (optional valve core removing tool available). Connect pump hose assembly to the valve stem. Determine recommended amount of sealant for the tire being serviced by using the ratio of one gallon of concentrate sealant per 30 gallons of fluid in the tire. Use one full hand pump up/down stroke to deliver 8 oz. of concentrate sealant for every two gallons of fluid in the tire. Remove hose assembly from valve stem. Replace valve stem core and inflate tire to recommended pressure. Rotate tire and wheel after application.

To install “STS” Concentrate Tire Seal from 1-gallon (3.79 L) container . . . Pour into the tire or mix fluid with solution before application to the tire.

To determine recommended amount of concentrate sealant for the tire being serviced, use the ratio of one gallon of sealant concentrate per 30 gallons of fluid in the tire or use

8 oz. of concentrate sealant for every two gallons of fluid in the tire.

How to Repair Tubeless Tires in Less Than 5 Minutes

Repair tubeless tires on the wheel. Install sealant, inflate tire to proper pressure, position puncture at 6:00 and bounce the tire and wheel on the floor until the puncture is sealed.
Rotate tire.

How to Prevent Flat Tires

“STS” Tire Seal offers an excellent preventive maintenance program against flat tires. When installed in all tire and wheel assemblies, it will seal injuries caused by puncturing objects measuring up to 1/4” (6.35 mm) in size, rim and bead leaks, porosity leaks, vent hole leaks, and condition the tire innerliner or tube to prevent air loss for the life of the tire. “STS” Tire Seal will reduce downtime and operating costs associated with tire air loss.

How Does “STS” Tire Seal Work?

“STS” Tire Seal contains fibers and rubber particles in uniform suspension throughout a non-toxic fluid carrier. When a puncture occurs, the escaping air forces the carrier and fibers to the point of penetration making a solid, permanent repair from the inside . . . out! Rim and bead leaks and porosity problems with tubeless innerliners will also be sealed quickly and effectively. The special chemical formulation will condition the innerliner to prevent dry rot and cracking which can lead to chronic slow air loss and premature tire failure. “STS” Tire Seal is safe, non-toxic, non-flammable, and environmentally friendly.

OFF THE ROAD APPLICATIONS

(The pump strokes on the following chart are based upon 5-gallon pump application.)

One 5-gallon pail of STS Tire Sealant = 640 oz. / One down stroke of the 5-gallon hand pump delivers 8 oz. of sealant.

One 1-gallon container of STS Tire Sealant = 128 oz. / One down stroke of the 1-gallon hand pump delivers 1 oz. of sealant.

For tire sizes not on the chart call 1-800-233-7086.

Tire Size	Wheel Size	Ounces	# Pump Strokes
9x3.5	4	8	1
4.10	4	8	1
11x4.00	4	8	1
11x4.00	5	8	1
3.50	6	16	2
4.10	6	16	2
8.00	6	32	4
13x5.00	6	16	2
13x6.50	6	16	2
15x6.00	6	24	3
15x6.50	6	24	3
13	6.5	16	2
4.80	8	16	2
5.70	8	24	3
5.70/5.00	8	24	3
8.00	8	24	3
15x6.50	8	16	2
16.5x6.50	8	24	3
16X6.50	8	24	3
16x7.50	8	24	3
18x6.50	8	24	3
18x7	8	24	3
18x7.50	8	24	3
18x8.50	8	24	3
18x9	8	32	4
18x9.50	8	32	4
18x11	8	32	4
18.5x8.5	8	32	4
20x7	8	32	4
20x8.00	8	32	4
20x10.00	8	40	5
21x11	8	40	5
21x12.5	8	48	6
22x11	8	48	6
22x12	8	48	6
22.5x10	8	48	6
6.90	9	32	4
6.90/6.00	9	40	5
20x11	9	40	5
21x8	9	32	4
21x12.5	9	48	6
25x12	9	64	8
25x13	9	64	8
6.50	10	40	5
7.50	10	48	6

Tire Size	Wheel Size	Ounces	# Pump Strokes
9.00	10	56	7
18x8.00	10	24	3
18x8.50	10	24	3
18x10.50	10	32	4
18x11	10	32	4
20x8.00	10	32	4
20x10.00	10	32	4
20x11	10	32	4
20x12	10	32	4
21x7	10	32	4
21x12.5	10	40	5
22x8	10	40	5
22x9.50	10	40	5
22x11	10	40	5
23x7	10	40	5
23x8	10	40	5
23x10	10	48	6
24x9.50	10	48	6
24x11	10	48	6
24x12	10	56	7
25x11	10	56	7
205/50	10	24	3
23x8	11	40	5
24x8	11	40	5
24X9	11	48	6
24x10	11	48	6
4.00	12	24	3
4.80	12	24	3
5.30	12	24	3
5.70	12	32	4
6.00	12	32	4
7.00	12	40	5
22x7.50	12	32	4
22x9.50	12	32	4
23X8	12	40	5
23X8.50	12	40	5
23X9.50	12	40	5
23x10	12	40	5
23x10.50	12	40	5
24X9	12	48	6
24x9.50	12	48	6
24x12	12	48	6
24X13.00	12	48	6
25x8	12	40	5
25x10	12	48	6

OFF THE ROAD APPLICATIONS

(The pump strokes on the following chart are based upon 5-gallon pump application.)

One 5-gallon pail of STS Tire Sealant = 640 oz. / One down stroke of the 5-gallon hand pump delivers 8 oz. of sealant.

One 1-gallon container of STS Tire Sealant = 128 oz. / One down stroke of the 1-gallon hand pump delivers 1 oz. of sealant.

For tire sizes not on the chart call 1-800-233-7086.

Tire Size	Wheel Size	Ounces	# Pump Strokes
25x11	12	56	7
26X10.50	12	56	7
26x12.00	12	64	8
26.5x14.00	12	64	8
155/80	13	32	4
165/80	13	32	4
175/80	13	40	5
185/80	13	40	5
31	13.5	88	11
7	14	48	6
8.5	14	56	7
9.5	14	64	8
11	14	64	8
24x8.50	14	40	5
25x8.50	14	40	5
5.00	15	40	5
5.90	15	40	5
7.00	15	64	8
7.5	15	48	6
7.60	15	56	7
8.25	15	80	10
8.5/90	15	48	6
9.00	15	80	10
9.5	15	72	9
10.00	15	88	11
11	15	72	9
12.5	15	88	11
13.50	15	88	11
250	15	56	7
300	15	80	10
825	15	88	11
1000	15	104	13
25X7.50	15	40	5
27X8.50	15	48	6
27X9.50	15	56	7
27X10.50	15	56	7
28X9	15	48	6
28X12	15	64	8
29x14	15	72	9
29X8	15	56	7
29X12.50	15	72	9
30X8	15	64	8
31X13.50	15	88	11
31X15.50	15	88	11
32X12	15	80	10

Tire Size	Wheel Size	Ounces	# Pump Strokes
32X15	15	96	12
33X12.50	15	88	11
35X15	15	104	13
36X11	15	104	13
36X13.50	15	112	14
5.50	16	40	5
6.00	16	48	6
6.50	16	56	7
7	16	56	7
7.50	16	64	8
8.00	16	64	8
9.00	16	72	9
10.00	16	96	12
11	16	120	15
16.00	16	152	19
13.50	16.1	136	17
14	16.1	128	16
14.5/75	16.1	112	14
16.5	16.1	144	18
18.4	16.1	184	23
19	16.1	168	21
21.5	16.1	192	24
35x19.00	16.1	112	14
41x18	16.1	160	20
10	16.5	64	8
12	16.5	80	10
15.5x38.5	16.5	104	13
30.5x12.5	16.5	72	10
33x14.5	16.5	88	11
35x14.5	16.5	88	11
36x12.50	16.5	96	12
12	17	80	10
14	17.5	104	13
7.50	18	72	9
10.5/80	18	88	11
12.5/80	18	104	13
15	19.5	128	16
7.50	20	80	10
9.50	20	96	12
10.5	20	96	12
11:00	20	136	17
12.5	20	120	15
13.00	20	168	21
14.00	20	176	22
16.00	20	224	28

OFF THE ROAD APPLICATIONS

(The pump strokes on the following chart are based upon 5-gallon pump application.)

One 5-gallon pail of STS Tire Sealant = 640 oz. / One down stroke of the 5-gallon hand pump delivers 8 oz. of sealant.
 One 1-gallon container of STS Tire Sealant = 128 oz. / One down stroke of the 1-gallon hand pump delivers 1 oz. of sealant.

For tire sizes not on the chart call 1-800-233-7086.

Tire Size	Wheel Size	Ounces	# Pump Strokes
16x70	20	224	28
825	20	96	12
1200	20	152	19
38x18.00	20	136	17
42x25	20	184	23
43x16	20	152	19
44x18.00	20	168	21
48x25.00	20	248	31
48x31.00	20	272	34
365/80R	20	144	18
405x70	20	144	18
24	20.5	272	34
14.00	21	184	23
16.00	21	240	30
24	21	272	34
27.25	21	336	42
42x21	22	160	20
445x50	22.5	120	15
455R55	22.5	136	17
600x50	22.5	224	28
7.50	24	88	11
8.3	24	80	10
9.00	24	112	14
9.5	24	96	12
11.2	24	120	15
11.25	24	144	18
12.4	24	128	16
13.00	24	168	21
13.6	24	152	19
14.00	24	200	25
14.9	24	184	23
16.00	24	264	33
16.5/85	24	208	26
16.9	24	208	26
17.5	24	184	23
18.00	24	336	42
18.4	24	232	29
19.5	24	208	26
20	24	248	31
21	24	240	30
14.00	25	208	26
15.5	25	176	22
16.00	25	240	30
17.5	25	208	26
18.00	25	328	41

Tire Size	Wheel Size	Ounces	# Pump Strokes
20.5	25	264	33
21.00	25	384	48
23.5	25	344	43
26.5	25	424	53
29.5	25	496	62
22/65	25	240	30
25/55	25	280	35
30/65	25	384	48
54x31.00	25	304	38
54x37.00	25	336	42
61x18.00	25	304	38
66x43.00	25	496	62
67x34.00	25	456	57
800/50	25	304	38
16.9	26	216	27
18.4	26	256	32
23.1	26	344	43
480/80R	26	240	30
11.2	28	128	16
12.4	28	144	18
13.6	28	168	21
14.9	28	192	24
16.9	28	224	28
18.4	28	256	32
21L	28	256	32
480/70	28	232	29
600/65	28	280	35
26.5	29	456	57
29.5	29	528	66
30/65	29	456	57
33.25	29	616	77
14.9	30	200	25
16.9	30	232	29
18.4	30	272	34
23.1	30	360	45
420/90	30	240	30
480/70	30	240	30
24.5	32	392	49
30.5	32	432	54
68x50.00	32	520	65
73x44.00	32	552	69
76x50.00	32	648	81
78x45.00	32	640	80
800/65R	32	445	56
900/60	32	521	65

OFF THE ROAD APPLICATIONS

(The pump strokes on the following chart are based upon 5-gallon pump application.)

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 One 1-gallon container of STS Tire Sealant = 128 oz. / One down stroke of the 1-gallon hand pump delivers 1 oz. of sealant.

For tire sizes not on the chart call 1-800-233-7086.

Tire Size	Wheel Size	Ounces	# Pump Strokes
900/65R	32	592	74
650/75R	32	392	49
18.00	33	368	46
30.00	33	784	98
33.5	33	688	86
35/65	33	584	73
37.5	33	816	102
11.2	34	144	18
14.9	34	216	27
16.9	34	248	31
18.4	34	288	36
20.8	34	336	42
23.1	34	376	47
21.00	35	464	58
24.00	35	560	70
29.5	35	568	71
33.25	35	672	84
37.25	35	800	100
11.2	36	144	18
13.9	36	192	24
12.4	38	176	22
13.6	38	200	25
14.9	38	224	28
15.5	38	216	27
16.9	38	272	34
18.4	38	304	38
20.8	38	352	44
710/70	38	440	55
800/70R	38	536	67
650/85R	38	480	60
37.5R	39	864	108
38	39	784	98
40/65	39	808	101
40.5/75	39	912	114
41.25/70	39	872	109
12.4	42	184	23
18.4	42	320	40
20.8	42	368	46
620/70	42	392	49
24.00	43	640	80

Tire Size	Wheel Size	Ounces	# Pump Strokes
45/65	45	1008	126
14.9	46	256	32
18.4	46	336	42
320/90R	46	208	26
420/80R	46	272	34
620/70R	46	408	51
18.00	49	456	57
21.00	49	552	69
24.00	49	656	82
27.00	49	760	95
320x90	50	224	28
480x80R	50	344	43
30.00	51	944	118
33.00	51	1096	137
36.00	51	1296	162
37.5	51	968	121
67	51	1832	229
49/75	51	1416	177
50/65	51	1272	159
39/90	53	1296	162
37.00	57	1424	178
40.00	57	1568	196
49.5	57	1664	208
50/80	57	1640	205
52/80	57	1672	209

HIGHWAY APPLICATIONS

(The pump strokes on the following chart are based upon 5-gallon pump application.)

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 One 1-gallon container of STS Tire Sealant = 128 oz. / One down stroke of the 1-gallon hand pump delivers 1 oz. of sealant.

For use over the road on vehicles rated at 18,000 pounds (8.182 kg) gross vehicle weight and above.

This product is not intended for use in passenger or light truck highway applications.

For tire sizes not on the chart call 1-800-233-7086.

Tire Size	Wheel Size	Ounces	# Pump Strokes
8	17.5	24 oz.	3
9	17.5	32 oz.	4
10	17.5	32 oz.	4
225/75	17.5	32 oz.	4
245/70	19.5	32 oz.	4
225/70	19.5	32 oz.	4
265/70	19.5	32 oz.	4
9.00	20	48 oz.	6
10.00	20	48 oz.	6
11.00	20	56 oz.	7
12.00	20	64 oz.	8
1100	22	56 oz.	7
10	22.5	48 oz.	6
11	22.5	48 oz.	6
12	22.5	48 oz.	6
255/70	22.5	40 oz.	5
265/75	22.5	40 oz.	5
275/70	22.5	48 oz.	6
295/75	22.5	48 oz.	6
315/75	22.5	56 oz.	7
315/80	22.5	56 oz.	7
385/65	22.5	72 oz.	9
425/65	22.5	72 oz.	9
445/45	22.5	72 oz.	9
445/50	22.5	72 oz.	9
445/55	22.5	72 oz.	9
445/65	22.5	80 oz.	10
455/45	22.5	72 oz.	9
495/45	22.5	80 oz.	10
11.00	24	56 oz.	7
12.00	24	72 oz.	9
11	24.5	48 oz.	6
285/75	24.5	48 oz.	6
275/80	24.5	48 oz.	6



Professional Arts Bldg., Suite C • 25 Penncraft Avenue • Chambersburg, PA 17201
 800-233-7086 • FAX# 717-264-5483 • EMAIL imi@imiproducts.com • Web Site: www.imiproducts.com