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# **FLAT<sup>®</sup> FREE**

## **PERMANENT REPAIR & FLAT TIRE PREVENTATIVE**

### **INSTALLATION GUIDE**

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# Flat Free<sup>®</sup> Tire Sealant Installation Chart

Grade I is Industrial Formulation Grade for Low Speed, Off Road & Heavy Duty Application

Grade A is Premium Automotive Formulation Grade for High Speed & Highway Application

<b>All Terrain Vehicle - Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
18X9.50-8	20	21X7-8	15
18X10.50-8	20	21X7-9	15
15X11.0-8	20	21X7-10	15
18X11.0-10	20	21X12-8	25
20X11.0-8	25	22x11.0-8	25
20x11.0-9	25	22x11.0-10	25
20x11.0-10	25	25x12.0-9	30

<b>Drive Wheel Agricultural - Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
6-30	40	14.9-30	230
8.3-24	50	14.9-36	260
9.5-16	50	14.9-38	280
9.5-24	70	15.5-38	280
9.5-32	80	16.9-24	240
9.5-36	100	16.9-26	260
11.2-24	100	16.9-28	270
11.2-28	120	16.9-30	290
11.2-34	130	16.9-34	290
11.2-36	150	16.9-38	300
11.2-38	150	18.4-16A	200
12.4-16	100	18.4-26	290
12.4-24	130	18.4-28	290
12.4-26	150	18.4-30	300
12.4-28	150	18.4-34	320
12.4-36	180	18.4-38	340
12.4-38	200	18.4-42	350
12.4-42	210	20.8-34	340
13.6-24	160	20.8-38	370
13.6-26	160	23.1-26	350
13.6-28	180	23.1-30	390
13.6-38	230	23.1-34	470
13.9-36	210	24.5-32	450
14.9-24	200	28.1-26	420
14.9-26	200	30.5-32	580
14.9-28	210		

<b>Front &amp; Implement Agricultural Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
3.50-12	20	8.00-16	60
4.00-8	20	9.00-10	50
4.00-9	20	9.00-16	60
4.00-12	20	9.00-24	80
4.00-14	25	9.5L-14	40
4.00-15	25	9.5L-15	50
4.00-18	25	9.50-20	80
4.00-19	25	9.50-24	80
5.00-15	30	10.00-15	70
5.50-15	30	10.00-16	70
5.50-16	35	11.00-16	80
5.90-15	40	11.50-16	100
6.00-14	40	11.25-24	120
6.00-16	40	11.25-28	160
6.00-21	50	11L-15	60
6.40-15	40	11L-16	60
6.50-16	40	12.5L-15	70
6.70-15	40	12.5L-16	80
7.50-10	40	13.5-16.1	100
7.5L-15	50	14L-16.A	120
7.50-16	50	16.5L-16.1	140
7.50-18	50	100-15	80
7.50-20	60	23-850-12	30
7.50-24	80	23-1050-12	30
7.60-15	50	27-850-12	30

<b>Skid Loader - Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
5.70-12	30	31-15.00x15	80
8.50x12	30	10.00x16.5	60
23-8.50x12	40	12.00x16.5	70
5.70x15	30	14.00x16.5	100
7.00x15	40	8.00x19.5	80
8.25x15	50	15.00x19.5	110
8.50x15	50	38-20.00x16.1	120
27-8.50x15	60	42-25.00x20	160

<b>Industrial - Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
2.50-4	10	7.50-10	40
9-3.50-4	10	900-10	40
410\350-4	10	15-10	60
340-300-5	10	23-800-10	35
410-350-5	10	400-12	20
410-350-6	10	450-12	20
410/540-6	16	700-12	35
690/600-6	20	27-1000-12	50
800-6	20	26-1200-12	70
13-500-6	16	700-15	35
12-1100-6	20	750-15	60
16-540-6	50	815-15	60
450-7	16	825-15	60
400-8	16	900-15	70
500-8	20	1000-15	80
16-650-8	16	1100-15	80
18-850-8	20	1450-15	90
18-950-8	25	750-16	50
600-9	25	38-200-16.1	150
350-10	16	18-20	150
650-10	35	44-4100-20	350

<b>Lawn and Garden - Grade I</b>			
<b>4" Rims</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
250-4	5	410-4	5
280-4	5	410/350-4	5
350-4	5	480-4	10
9x350-4	7		
<b>5" Rims</b>			
11x400-5	8	340/300-5	6
13x500-5	10	350-5	6
340-5	6	410-5	7
410/350-6	7		
<b>6" Rims</b>			
12x1100-6	17	16x450-6	9
13x500-6	8	400-6	7
13x650-6	11	410-6	7
14x8-6	14	410-350-6	7
15x600-6	12	410/450-6	7
530-6	10	690-6	15

<b>Lawn and Garden - 6" Rims</b>			
<b>(Continued)</b>			
690/600-6	15	800-6	18
<b>7" Rims</b>			
450-7	9	480-7	9
<b>8" Rims</b>			
16x550-8	12	18.5x9.5-8	19
16x650-8	13	20x1000-8	25
16x750-8	14	20x1100-8	26
18x1100-8	25	20x700-8	18
18x550-8	14	20x800-8	20
18x650-8	15	20.5x8-8	21
18x7-8	16	21x1100-8	29
18x850-8	17	21x12-8	31
18x950-8	18	21x7-8	18
18x9-8	18	22x1100R8	29
18.5X8.5-8	18	22X1100-8	29
25X1200R8	35	350-8	8
350/400-8	9	400-8	9
430-8	10	480-8	9
480/400-8	9	500-8	12
570-8	15		
<b>9" Rims</b>			
20x1100-10	30	21x9-9	26
21x7-9	20	25x12-9	41
21x8-9	23	400-9	10
480-9	12	600-9	15
690-9	20		
<b>10" Rims</b>			
18x1100-10	28	20x1100-10	30
18x950-10	24	20x12-10	33
<b>12" Rims</b>			
22x750-12	23	2305x8-12	27
22x8-12	24	24x12-12	39
23X1050-12	33	26X1200-12	43
23X10-12	32	26X12-12	43
23X850-12	27	27X1000-12	37
23X8-12	30	27X10-12	37
23X950-12	29	400-12	11
23X9-12	14	450-12	12
480-12	23	530-12	16
570-12	17	690-12	20
8-12	21	700-12	28

<b>Heavy Duty Road Truck Grade I</b>		
<b>Tire Size</b>	<b>Hwy. Oz.</b>	<b>Off Rd. Oz.</b>
9.00-15	20	25
10.00-15	20	25
7.00-16	20	25
7.50-16	20	25
8.25-16	20	25
9.00-16	20	25
8.00-16.5	25	30
8.75-16.5	25	35
9.50-16.5	30	35
10.00-16.5	30	40
12.00-16.5	35	50
7.00-17	25	30
7.50-17	25	30
8.25-27	30	40
7.00-17.5	30	40
8.00-17.5	30	40
10.00-17.5	30	35
14.00-17.5	40	50
7.00-18	30	40
7.15-18	30	40
8.25-18	35	45
10.00-18	40	50
8.00-19.5	40	50
15.00-19.5	60	70
18.00-19.5	70	80
7.50-20	40	50
8.00-20	40	50
8.25-20	40	50
9.00-20	45	55
10.00-20	50	60
11.00-20	50	65
12.00-20	55	70
14.00-20	65	80
10.00-22	50	65
11.00-22	55	70
12.00-22	60	75
8.00-22.5	50	60
9.00-22.5	50	60
10.00-22.5	55	65
11.00-22.5	60	70

<b>Heavy Duty Road Truck (Continued)</b>		
<b>Tire Size</b>	<b>Hwy. Oz.</b>	<b>Off Rd. Oz.</b>
11.50-22.5	60	70
12.50-22.5	65	75
15.00-22.5	75	85
16.00-22.5	80	90
18.00-22.5	90	100
10.00-24	65	70
11.00-24	65	75
12.00-24	70	80
13.00-24	75	85
14.00-24	80	90
11.00-24.5	65	70

<b>Light/Medium Duty Truck and Bus for Highway Use - Grade A</b>			
<b>4X4's</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
30-9.50R15LT	18	205.R16	13
31-10.50R15LT	22	6.50R16C	14
7.50R16	18		
<b>15" Rims</b>			
7.50R15LT	16	8.25R15LT	18
<b>16" Rims</b>			
7.00R16	16	7.50R16	18
<b>17.5" Rims</b>			
7R17.5C	14	10R17.5	20
8R17.5	16	14R17.5	24
8.5R17.5	17	205 75R17.5	16
215 75R17.5	17	225 75R17.5	18
235 75R17.5	19		
<b>19.5" Rims</b>			
8-19.5	16	18-19.5	28
15.19.5	26	19.5-19.5	32
16.5-19.5	28	245 70R19.5	22
255 70R19.5	24	265 70R19.5	26
<b>22.5" Rims</b>			
8R22.5	18	16.5R22.5	29
9R22.5	22	18R22.5	30
10R22.5	42	235 80R22.5	24
11R22.5	26	245 75R22.5	22
12R22.5	30	255 80R22.5	26

<b>Light/Medium Duty Truck and Bus for Highway Use - Grade A 22.5" Rims (Continued)</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
13R22.5	26	265 75R22.5	24
15R22.5	28	275 70R22.5	24
275 80R22.5	26	295 75R22.5	26
315 80R22.5	26	315 75R22.5	28
385 80R22.5	28		
<b>24.5" Rims</b>			
11-24.5	28.5	275 80R24.5	28
285 75R24.5	28		

<b>Off the Road - Conventional Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
7.00-15	25	18.00-24/25	300
7.50-10	25	18.00-33	340
7.50-15	60	18.00-49	420
8.25-15	60	21.00-25	350
9.00-15	35	21.00-29	370
10.00-15	75	21.00-35	380
8.25-20	65	21.00-49	580
9.00-20	75	24.00-25	450
10.00-20	80	24.00-29	500
11.00-20	100	24.00-35	580
12.00-20	115	24.00-43	590
12.00-20/21	115	24.00-49	700
12.00-24	130	24.00-51	720
13.00-24/25	160	27.00-33	750
14.00-20	180	27.00-49	960
14.00-20/21	180	27.00-51	960
14.00-24/25	200	30.00-33	960
16.00-20	225	20.00-51	1200
16.00-21/22	225	33.00-51	1440
16.00-24/25	275	36.00-51	1680

<b>Off the Road - Grader Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
7.00-20	80	12.00-24	150
7.00-24	100	13.00-24	160
7.50-20	90	14.00-20	160

<b>Off the Road-Grader (Continued)</b>			
7.50-24	110	14.00-24	200
8.25-20	100	16.00-20	200
9.00-24	130	16.00-24	290
10.00-20	120	18.00-25	320
10.00-24	140	18.00-26	340

<b>Off the Road - Wide Base Grade I</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
15.5-25	175	30-33	625
17.5-25	200	33.25-29	625
20.5-25	225	33.25-25	700
23.5-25	280	33.5-33	700
26.5-25	350	33.5-39	750
26.5-29	400	37.25-35	900
29.5-25	450	37.5-33	900
29.5-29	500	37.5-39	1000
29.5-35	500	37.5-51	1200

<b>Recreational and Trailer Grade A</b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
E78-14LT	16	9-15LT	20
G78-14LT	16	10-15LT	20
C78-14LT	20	11-15LT	20
G78-15LT	20	12-15LT	25
H78-15LT	20	6.00-16LT	20
L78-15LT	20	7.00-16LT	20
F78-16LT	20	7.50-16LT	20
H78-16LT	20	8.25-16LT	25
L78-16LT	25	9.00-16LT	25
7.00-13LT	16	10-16LT	25
7.9-14LT	16	11-16LT	25
7.00-14LT	18	8.00-16.5LT	25
11-14LT	20	8.75-16.5LT	25
7-14.5LT	20	9.50-16.5LT	30
8-14.5LT	20	10-16.5LT	35
9-14.5LT	20	12-16.5LT	30
6.70-15LT	20	7-17.5LT	30
7.00-15LT	20	8-17.5LT	30
7.10-15LT	20	10-17.5LT	35

<b><u>Special Trailer</u></b>			
<b><u>Grade I</u></b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
6.00-16ST	15	8.55-14ST	20
6.50-16ST	15	6.85-15ST	20
7.00-16ST	15	7.35-15ST	20
6.45-14ST	15	7.75-15ST	20
7.35-14ST	15	8.25-15ST	20
7.75-14ST	15	8.55-15ST	20

<b><u>Trailer Tires for Normal Highways</u></b>			
<b><u>Grade I</u></b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
4.80-8	10	6.90-12	15
4.80-12	15	6.50-10	15
5.30-12	15	7.00-10	15
5.70-8	10	7.50-10	15
6.90-9	10		

<b><u>Wheelchair</u></b>	
<b><u>Grade I</u></b>	
<b>Tire Size</b>	<b>Oz.</b>
Pneumatic Tire	10

<b><u>Wheelbarrow</u></b>	
<b><u>Grade I</u></b>	
<b>Tire Size</b>	<b>Oz.</b>
4.80-8	10

<b><u>Motorcycle</u></b>			
<b><u>Grade A</u></b>			
<b>Tire Size</b>	<b>Oz.</b>	<b>Tire Size</b>	<b>Oz.</b>
2.50-16	6	3.50-18	8
2.75-16	6	4.00-18	8
3.25-16	6	4.25-18	6
3.50-16	8	4.35-18	8
5.00-16	6	4.50-18	10
2.25-17	6	4.60-18	10
2.75-17	6	2.75-19	8
3.00-17	6	3.00-19	8
3.50-17	6	3.25-19	8
2.50-18	6	3.50-19	8
2.75-18	6	2.75-21	10
3.00-18	8	3.00-21	10
3.25-18	8		

<b><u>Passenger Car and Truck</u></b>	
<b><u>Grade A</u></b>	
<b>Tire Size</b>	<b>Oz.</b>
All 13" Tires	4*
All 14" & Regular Tread 15" Tires	5*
All Wide Tread 15" & All 16" Tires	6*
All Large Pickups and 4x4 Tires	8*

<b><u>Recreational Vehicle &amp; Motor Home</u></b>	
<b><u>Grade A</u></b>	
<b>Tire Size</b>	<b>Oz.</b>
750-16	20*
8R-17.5	20*
8R-19.5	25*

***\*Note-Tires with over 10,000 miles wear should use 1 additional ounce per tire.***