



SURVIVAL[®]

ULTIMATE TYRE SAVER

www.tyresaver.co.za

INSTALLATION INSTRUCTIONS

- Earthmover
- Agricultural
- Truck and bus
- Turf Handlers & Golf Carts
- Passenger Vehicles
- Military Applications

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PRODUCT DESCRIPTION AND INSTALLATION INSTRUCTIONS

Congratulations on your purchase of Survival Liquid Tyre Sealant. Your decision will prove to be an investment rather than an expense. Along with the package you have not only attained the quality in our product but also the technical support of our well trained staff.

In our effort to make the installation process as simple as possible it is important to read through the documents. This documentation will guide you through the process as well as assist with any troubleshooting.

The application of the product is very market specific. Included you will find a quick description of the product and its purpose. It is advisable to distinguish between the on-off road market and the off-road market.

Required Equipment

The only equipment required is a compressor fitted with a water trap. It is important that the tank of the compressor is regularly drained of any moisture that builds up. The water trap must also be regularly drained of all water.

Tube and Tubeless Type Tyres

Survival is better suited to tubeless type tyres. Many tubeless tyres have been fitted with tubes from previous punctures. If this is the case, remove the tubes, repair the punctures and refit the tyre to the rim

Tyre Charts

The tyre charts have been worked out as an indication of the amount of product required for each tyre size. In case of slow moving vehicles the type of application of the vehicle operates in must be taken into account. The terrain and road conditions should also be taken into account. If you are unsure please contact the office for advice over the phone or send an e mail to enquiries@tyresaver.co.za

Installation process

- 1) Remove the tyre from the rim and make sure the casing is clean and dry. Blow out with moisture free compressed air. (On second hand or used tyres you may find a lot of moisture, and even an oiliness due to the tyres that were inflated with air from compressors that's not fitted with water traps. This will cause the product not to bonding to the casing). The tyre can then be cleaned with a non oil or non water based solvent. Please contact the office for the details of the supplier
- 2) Pour the required quantity of Survival directly into the casing in either a vertical or horizontal position.
- 3) Refit the tyre on the rim and inflate to the recommended pressure.

Driving In Instructions

- Inform the driver to take the vehicle and drive it for at least 15minutes at a low speed not exceeding 20km/h
- Continue working with the machine driving normal.
- The longer the machine works after installation the better the spreading and bonding of the product

Troubleshooting

Penetration not sealing

- 1) If the object is visible: Inflate the tyre and drive approximately 1km to build up heat in the tyre. Remove object and carry on driving.

Reason for penetration not sealing : penetrations caused by objects covered or lined with oily substances will have difficulty sealing penetrations due to the lubricant on the object.

- 2) If the object is not visible inspect the tyre and try and find the penetration
 - Ream the penetration with reamer
 - Rotate tyre to ensure penetration is at 6 o'clock position
 - Inflate to the correct pressure
- 3) Any cuts in the casing were the casing leaves a gap will be unable to seal

For any additional information or troubleshooting please contact our office at 012 803 5348.

TYRE QUANTITY CHART

EARTHMOVING TYRES

The below quantities are calculated for slow moving mining, construction, farming and forestry operations.

| SIZE | QUANTITY (Litres) |
|-------------|--------------------------|
| 8.25/15 | 5 |
| 10.00/15 | 6 |
| 14.5/15 | 9 |
| 14/17.5 | 14 |
| 9.00/20 | 6 |
| 11.00/20 | 8 |
| 12.00/20 | 9 |
| 14.00/20 | 11 |
| 16.00/20 | 15 |
| 335/80/20 | 9 |
| 365/80/20 | 10 |
| 405/70/20 | 12 |
| 2400/21 | 23 |
| 12R22.5 | 9 |
| 12.00/24 | 10 |
| 13.00/24 | 11 |
| 14.00/24 | 13 |
| 385/95/24 | 14 |
| 16.00/24 | 16 |
| 14.00/25 | 18 |
| 385/95/25 | 14 |
| 15.5/25 | 13 |
| 16.00/25 | 17 |
| 445/95/25 | 18 |
| 17.5x25 | 16 |
| 445/80/25 | 16 |
| 18.00/25 | 21 |
| 20.5X25 | 21 |

| | |
|-------------|-----|
| 525/80/25 | 21 |
| 21.00/25 | 26 |
| 23.5x25 | 26 |
| 25/65/25 | 25 |
| 550/65/25 | 19 |
| 650/65/25 | 26 |
| 750/65/25 | 33 |
| 26.5x25 | 30 |
| 29.5x25 | 41 |
| 775/65/29 | 36 |
| 875/65/29 | 45 |
| 29.5/29 | 47 |
| 33.25/29 | 47 |
| 18.00/33 | 25 |
| 21.00/33 | 33 |
| 35/65/33 | 58 |
| 21.00/35 | 32 |
| 24.00/35 | 40 |
| 29.5/35 | 49 |
| 33.25/35 | 60 |
| 37.25/35 | 75 |
| 37.5/39 | 80 |
| 40.5/75/39 | 90 |
| 41.25/70R39 | 85 |
| 45/65/39 | 95 |
| 45/65/45 | 90 |
| 24.00/49 | 45 |
| 27.00/49 | 55 |
| 31/90/49 | 65 |
| 30.00/51 | 65 |
| 33.00/51 | 80 |
| 36.00/51 | 90 |
| 50/65/51 | 120 |
| 37.00/57 | 100 |
| 42/90/57 | 120 |
| 40.00/57 | 115 |

| | |
|------------|-----|
| 46/90/57 | 130 |
| 55.5/80/57 | 170 |
| 58/85/57 | 190 |
| 60/80/57 | 200 |
| 53/80/63 | 160 |
| 59/80/63 | 190 |

SKID STEER

The below quantities are calculated for slow moving Mining, construction, farming and forestry operations where SP 3000 is used

SIZE

QUANTITY (Litres)

| | |
|-----------|----|
| 27x8.5R15 | 5 |
| 10X16.5 | 7 |
| 12X16.5 | 9 |
| 335/80/18 | 10 |

TRACTOR SIZES

The below quantities are calculated for slow moving mining, construction, farming and forestry operations where SP 3000 is used

| SIZE | QUANTITY (Litres) |
|--------------|--------------------------|
| 4.00/8 | 1.1 |
| 4.00/10 | 1.1 |
| 5.00/10 | 1.6 |
| 5.00/12 | 1.8 |
| 6.00/12 | 2.5 |
| 6.5/80/12 | 2.2 |
| 200/95/12 | 3.5 |
| 10.00/80/12 | 5 |
| 260/90/13 | 5.5 |
| 6.5/75/14 | 3 |
| 200/60/14.5 | 3.5 |
| 5.00/15 | 2 |
| 6.5/80/15 | 2.5 |
| 10.00/15 | 5 |
| 10.0/75/15.3 | 5 |
| 260/70/15.3 | 5 |
| 11.5/80/15.3 | 5.5 |
| 300/80/15.3 | 6.5 |
| 12.5/80/15.3 | 7 |
| 320/80/15.3 | 7.5 |
| 280/60/15.5 | 5 |
| 400/60/15.5 | 9 |
| 6.00/16 | 2.5 |
| 6.50/16 | 3 |
| 180/90/16 | 3 |
| 190/90/16 | 3.5 |
| 7.50/16 | 4 |
| 200/90/16 | 4 |
| 210/95/16 | 4 |

| | |
|-------------|-----|
| 9.00/16 | 5 |
| 10.00/16 | 6 |
| 260/70/16 | 5 |
| 10.5/16 | 6.6 |
| 11L/16 | 6 |
| 280/70/16 | 5.5 |
| 320/65/16 | 6.5 |
| 340/55/16 | 6.5 |
| 360/65/16 | 8 |
| 360/70/16 | 8.5 |
| 5.50/17 | 2.5 |
| 380/55/17 | 7.5 |
| 15.0/55/17 | 7.5 |
| 420/55/17 | 9 |
| 480/45/17 | 10 |
| 19.0/45/17 | 10 |
| 500/50/17 | 12 |
| 520/50/17 | 13 |
| 555/45/17 | 13 |
| 400/55/17.5 | 8.5 |
| 6.00/18 | 3 |
| 280/70/18 | 5.5 |
| 280/80/18 | 6 |
| 12.5/80/18 | 7.5 |
| 13.0/65/18 | 7 |
| 13.00/18 | 10 |
| 340/65/18 | 7.5 |
| 340/80/18 | 8.5 |
| 14.5/80/18 | 10 |
| 18/19.5 | 13 |
| 6.50/20 | 3.5 |
| 7.50/20 | 4 |
| 8.30/20 | 4.5 |
| 9.50/20 | 5.5 |
| 260/80/20 | 5.5 |
| 280/80/20 | 6.5 |

| | |
|-------------|-----|
| 280/85/20 | 6.5 |
| 11.20/20 | 7 |
| 300/70/20 | 6.5 |
| 320/70/20 | 7.5 |
| 320/85/20 | 8 |
| 340/80/20 | 8.5 |
| 360/70/20 | 9 |
| 380/70/20 | 10 |
| 380/75/20 | 10 |
| 400/70/20 | 11 |
| 405/70/20 | 11 |
| 420/75/20 | 12 |
| 425/75/20 | 13 |
| 296/60/22.5 | 6 |
| 385/65/22.5 | 10 |
| 400/55/22.5 | 9 |
| 445.65/22.5 | 12 |
| 18R22.5 | 13 |
| 500/45/22.5 | 14 |
| 500/60/22.5 | 14 |
| 550/45/22.5 | 14 |
| 550/60/22.5 | 17 |
| 560/45/22.5 | 14 |
| 560/60/22.5 | 17 |
| 580/65/22.5 | 20 |
| 600/40/22.5 | 15 |
| 600/50/22.5 | 17 |
| 620/50/22.5 | 18 |
| 650/45/22.5 | 18 |
| 650/50/22.5 | 20 |
| 710/40/22.5 | 19 |
| 710/45/22.5 | 21 |
| 750/45/22.5 | 23 |
| 8.30/24 | 4.5 |
| 9.50/24 | 5.5 |
| 280/85/24 | 7 |

| | |
|-------------|-----|
| 11.20/24 | 7 |
| 12.4/24 | 8.5 |
| 320/70/24 | 8 |
| 320/85/24 | 8.5 |
| 340/85/24 | 9.5 |
| 13.60/24 | 10 |
| 360/60/24 | 8 |
| 360/70/24 | 9 |
| 14.90/24 | 12 |
| 380/70/24 | 11 |
| 380/85/24 | 12 |
| 15.00/24 | 13 |
| 15.5/80/24 | 12 |
| 405/70/24 | 11 |
| 420/65/24 | 12 |
| 420/70/24 | 13 |
| 420/85/24 | 14 |
| 16.90/24 | 14 |
| 440/65/24 | 12 |
| 17.5L/24 | 13 |
| 445/70/24 | 13 |
| 460/70/24 | 14 |
| 480/65/24 | 15 |
| 480/70/24 | 15 |
| 495/70/24 | 16 |
| 500/70/24 | 16 |
| 540/65/24 | 18 |
| 600/50/24.5 | 17 |
| 710/45/24.5 | 21 |
| 1000/50R25 | 43 |
| 18.4/26 | 17 |
| 480/70/26 | 16 |
| 480/80/26 | 17 |
| 540/65/26 | 18 |
| 23.1/26 | 30 |
| 580/70/26 | 21 |

| | |
|-------------|-----|
| 620/70/26 | 25 |
| 620/75/26 | 27 |
| 28L/26 | 40 |
| 750/50/26 | 27 |
| 750/65/26 | 33 |
| 400/60/26.5 | 11 |
| 500/60/26.5 | 15 |
| 600/55/26.5 | 20 |
| 620/55/26.5 | 21 |
| 650/60/26.5 | 24 |
| 680/55/26.5 | 24 |
| 710/45/26.5 | 24 |
| 710/50/26.5 | 25 |
| 750/60/26.5 | 27 |
| 800/40/26.5 | 27 |
| 800/45/26.5 | 28 |
| 280/85/28 | 7.5 |
| 11.2/28 | 7.5 |
| 12.4/28 | 9 |
| 320/70/28 | 8.5 |
| 320/85/28 | 9 |
| 340/85/28 | 10 |
| 13.6/28 | 11 |
| 360/70/28 | 10 |
| 14.9/28 | 12 |
| 380/70/28 | 11 |
| 380/85/28 | 11 |
| 420/65/28 | 12 |
| 420/70/28 | 13 |
| 420/85/28 | 14 |
| 440/65/28 | 13 |
| 16.9/28 | 15 |
| 480/60/28 | 14 |
| 480/65/28 | 15 |
| 480/70/28 | 16 |
| 520/60/28 | 16 |

| | |
|-------------|-----|
| 540/65/28 | 18 |
| 600/60/28 | 21 |
| 600/65/28 | 22 |
| 600/70/28 | 24 |
| 14.9/30 | 17 |
| 380/85/30 | 18 |
| 420/70/30 | 19 |
| 420/85/30 | 21 |
| 16.9/30 | 21 |
| 460/85/30 | 25 |
| 18.4/30 | 25 |
| 480/70/30 | 23 |
| 520/70/30 | 27 |
| 540/65/30 | 26 |
| 23.1/30 | 34 |
| 600/60/30 | 30 |
| 600/70/30 | 33 |
| 620/75/30 | 36 |
| 650/75/30 | 39 |
| 710/60/30 | 39 |
| 600/55/30.5 | 28 |
| 600/60/30.5 | 29 |
| 620/55/30.5 | 29 |
| 650/65/30.5 | 36 |
| 710/50/30.5 | 35 |
| 750/45/30.5 | 35 |
| 750/50/30.5 | 38 |
| 750/60/30.5 | 43 |
| 800/45/30.5 | 39 |
| 800/55/30.5 | 45 |
| 850/45/30.5 | 43 |
| 850/50/30.5 | 47 |
| 230/95/32 | 8.5 |
| 9.50/32 | 8.5 |
| 270/95/32 | 11 |
| 12.4/32 | 13 |

| | |
|------------|----|
| 320/85/32 | 13 |
| 650/75/32 | 43 |
| 680/75/32 | 45 |
| 710/75/32 | 47 |
| 800/65/32 | 51 |
| 900/60/32 | 60 |
| 1050/50/32 | 68 |
| 12.4/34 | 14 |
| 14.9/34 | 18 |
| 380/85/34 | 18 |
| 420/85/34 | 21 |
| 16.9/34 | 22 |
| 460/85/34 | 25 |
| 18.4/34 | 25 |
| 480/70/34 | 25 |
| 520/70/34 | 28 |
| 540/65/34 | 27 |
| 600/65/34 | 32 |
| 600/70R34 | 34 |
| 620/70/34 | 38 |
| 650/60/34 | 35 |
| 650/65/34 | 37 |
| 710/55/34 | 38 |
| 710/60/34 | 40 |
| 750/65/34 | 47 |
| 230/95/36 | 9 |
| 12.4/36 | 14 |
| 340/85/36 | 37 |
| 13.6/36 | 15 |
| 11.00/38 | 13 |
| 11.20/38 | 12 |
| 12.00/38 | 14 |
| 12.4/38 | 14 |
| 320/85/38 | 14 |
| 340/85/38 | 16 |
| 13.6/38 | 16 |

| | |
|-----------|----|
| 14.9/38 | 18 |
| 380/85/38 | 19 |
| 15.5/38 | 19 |
| 420/85/38 | 22 |
| 16.9/38 | 23 |
| 460/85/38 | 25 |
| 18.4/38 | 26 |
| 480/70/38 | 25 |
| 520/70/38 | 29 |
| 520/85/38 | 31 |
| 20.8/38 | 31 |
| 540/65/38 | 28 |
| 580/70/38 | 34 |
| 600/60/38 | 32 |
| 600/65/38 | 33 |
| 620/70/38 | 38 |
| 650/60/38 | 35 |
| 650/65/38 | 38 |
| 650/75/38 | 42 |
| 650/85/38 | 45 |
| 710/60/38 | 41 |
| 710/65/38 | 44 |
| 710/70/38 | 46 |
| 710/85/38 | 55 |
| 750/65/38 | 48 |
| 800/70/38 | 56 |
| 850/50/38 | 49 |
| 850/60/38 | 56 |
| 900/60/38 | 62 |
| 18.4/42 | 27 |
| 420/80/42 | 27 |
| 520/85/42 | 32 |
| 20.8/42 | 32 |
| 580/70/42 | 34 |
| 600/65/42 | 34 |
| 620/70/42 | 38 |

| | |
|-----------|-----|
| 650/65/42 | 40 |
| 710/60/42 | 43 |
| 710/70/42 | 47 |
| 710/75/42 | 51 |
| 850/55/42 | 54 |
| 900/70/42 | 72 |
| 210/95/44 | 8.2 |
| 230/95/44 | 9.5 |
| 270/95/44 | 12 |
| 300/95/46 | 15 |
| 13.6/46 | 17 |
| 14.9/46 | 20 |
| 16.9/46 | 24 |
| 18.4/46 | 27 |
| 480/80/46 | 28 |
| 20.8/46 | 34 |
| 620/70/46 | 40 |
| 230/95/48 | 10 |
| 270/95/48 | 13 |
| 12.4/50 | 16 |
| 14.9/50 | 21 |
| 12.4/54 | 17 |

TRUCK TYRES

The below quantities are calculated for Trucks travelling in excess of 80 Kph.

| SIZE | QUANTITY (Litres) |
|-------------|--------------------------|
| 7.50R16 | 2 |
| 8.25R16 | 2.5 |
| 10.5/16 | 3.5 |
| 215/75R17.5 | 2.5 |
| 10R17.5 | 3.5 |
| 12.0/18 | 5 |
| 12.5/18 | 5 |
| 8R19.5 | 2.5 |
| 225/70R19.5 | 3 |
| 245/70R19.5 | 3 |
| 265/70R19.5 | 3.5 |
| 285/70R19.5 | 4 |
| 305/70R19.5 | 4.5 |
| 8.25/20 | 2.5 |
| 9.00/20 | 3 |
| 10.00/20 | 3.5 |
| 11.00/20 | 4 |
| 12.00/20 | 5 |
| 12.5/20 | 5 |
| 14.00/20 | 6 |
| 14.5/20 | 6.5 |
| 9R22.5 | 3 |
| 235/80R22.5 | 3.5 |
| 10R22.5 | 3.5 |
| 255/70R22.5 | 3.5 |
| 255/80R22.5 | 3.5 |
| 275/70R22.5 | 4 |
| 275/80R22.5 | 4 |
| 11R22.5 | 4.5 |
| 295/60R22 | 4 |

| | |
|-------------|------|
| 295/75R22.5 | 4.5 |
| 295/80R22.5 | 4.5 |
| 12R22.5 | 5 |
| 305/70R22.5 | 4.5 |
| 305/85R22.5 | 5 |
| 315/80R22.5 | 5 |
| 13R22.5 | 5.5 |
| 365/70R22.5 | 6 |
| 385/60R22.5 | 6 |
| 385/65R22.5 | 6.5 |
| 425/65R22.5 | 7.5 |
| 445/50R22.5 | 7 |
| 445/55R22.5 | 7.5 |
| 455/50R22.5 | 7.5 |
| 455/55R22.5 | 8 |
| 455/65R22.5 | 8.5 |
| 530/65R22.5 | 11.5 |
| 560/60R22.5 | 12 |
| 600/55R22.5 | 13 |
| 275/80R24.5 | 4 |
| 11R24.5 | 4.5 |
| 285/75R24.5 | 4.5 |
| 12R24.5 | 5 |
| 305/70R24.5 | 4.5 |
| 305/75R24.5 | 5 |

TURF HANDLERS/GOLF CART TYRES

The below quantities are calculated for slow moving Golf carts and Lawn Mower applications where SP3000 is used.

| SIZE | QUANTITY (Litres) |
|-------------|--------------------------|
| 9x3.50-4 | 200ml |
| 11x4.00-4 | 250ml |
| 11x4.00-5 | 300ml |
| 11x5.00-6 | 300ml |
| 13x5.00-6 | 300ml |
| 13x6.50-6 | 500ml |
| 15x6.00-6 | 500ml |
| 15x6.50-6 | 600ml |
| 16x6.50-8 | 600ml |
| 16x7.50-8 | 600ml |
| 18x6.50-8 | 700ml |
| 18x7.00-8 | 700ml |
| 18x7.50-8 | 800ml |
| 18x8.50-8 | 900ml |
| 18x9.50-8 | 900ml |
| 20x8.00-8 | 900ml |
| 20x10.00-8 | 1.2 |
| 22.5x10.5-8 | 1.2 |
| 25x12.00-9 | 1.8 |
| 18x8.50-10 | 800ml |
| 18x10.50-10 | 900ml |
| 21x7.00-10 | 800ml |
| 20x8.00-10 | 800ml |
| 20x10.00-10 | 1 |
| 20x12.00-10 | 1.2 |
| 22x9.50-10 | 1.2 |
| 22x10.00-10 | 1.2 |
| 23x11.00-10 | 1.5 |
| 24x9.50-10 | 1.5 |
| 24x12.00-10 | 2 |

| | |
|---------------|-----|
| 22x9.50-12 | 1 |
| 23x8.50-12 | 1 |
| 23x9.50-12 | 1.2 |
| 23x10.50-12 | 1.2 |
| 24x8.50-14 | 1 |
| 24x9.50-12 | 1.2 |
| 24x12.00-12 | 1.5 |
| 24x13.00-12 | 2 |
| 25x9.00-12 | 1.5 |
| 25x10.00-12 | 1.5 |
| 25x11.00-12 | 1.5 |
| 26x12.00-12 | 2 |
| 26.5x14.00-12 | 2 |
| 25x8.50-14 | 1 |
| 27x8.50-15 | 1 |
| 27x10.50x15 | 1.5 |
| 29x12.50-15 | 2 |
| 29x14.00-15 | 2 |
| 31x13.50-15 | 2.5 |

MILITARY APPLICATIONS

| <u>TYRE SIZE</u> | <u>PUNCTURES</u> | <u>9MM/AK47</u> | <u>12.7MM</u> |
|-------------------------|-------------------------|------------------------|----------------------|
| 7.50/16 | 3 | 3.5 | N/A |
| 8.25/17.5 | 3 | 4 | N/A |
| 12.00/20 | 6 | 9 | 14 |
| 12.5/20 | 6 | 10 | 15 |
| 14.00/20 | 6 | 12 | 18 |
| 11R22.5 | 6 | 7 | 12 |
| 12R22.5 | 6 | 7 | 12 |