

PneumaSeal™ Installation Guide

TIRE PREPARATION

PneumaSeal requires no mixing, stirring, shaking or other special preparation. Eye protection should be worn when installing. *Note: Be near an air source to re-inflate tire after installation.*

1. Determine the correct amount of PneumaSeal to install using the calculation formula provided on the right.
2. Rotate tire so that the valve stem is in either the 5 o'clock or 7 o'clock position.
3. Deflate tire by removing valve stem core with the core removal tool provided.

PAIL DIRECTIONS

1. Remove small cap from valve stem on the top to the pail. Pry off larger cap. Pull up rings of the spout and unscrew cap. Remove inner seal and insert pump. The pump will slide snugly into the pail. You may lubricate the exterior bottom portion of the pump with some PneumaSeal™, then push the pump straight down to place it firmly in the pail.
2. Connect the hose to the vent on the top of the pail. Operate the pump to initially fill the pump and hose with PneumaSeal™ by completely extending and depressing the pump handle 3 or 4 times. This is called "cycling the pump". Cycling the pump assures that both the hose and pump are completely filled with PneumaSeal™. This is important to ensure the proper amount of sealant is injected into the tire.
3. Affix the end of the pump hose to the valve stem. Using the ounce markers on the pump handle as a guide, lift the handle to install in the tire.

BOTTLE DIRECTIONS

1. Remove the colored cap from the top of the bottle and cut off the top of the spout (where the cap was).
2. Affix one end of the supplied 4" long transfer hose to it and slide the other end of the hose firmly over the tire's valve stem.
3. Hold the PneumaSeal™ bottle in a vertical position above the valve stem and smoothly squeeze the bottle. The graduation marks on the bottles side will indicate the ounces of PneumaSeal™ being installed.

TIRE REINFLATION

1. Once the proper amount of PneumaSeal™ is installed, remove hose and replace the valve core.
2. Inflate tire to recommended pressure. Once the tire is driven 3 – 5 miles the sealant is distributed evenly.
3. If the tire has puncturing object in the tread, remove it (back out screws) and immediately drive a short distance to seal the puncture.

TIRE SEALANT AMOUNT CALCULATION

Formula to determine amount of PneumaSeal to install in each tire.

1. Multiply the tire diameter (in inches) **times** the tread width (in inches).
2. **Divide** the total by the division value listed below which will give you the number of ounces of PneumaSeal™ to install.

$$\frac{\text{(Tire Diameter X Tire Width)}}{\text{Division Value}} = \text{Number of ounces to install in tire}$$

<u>Division Value</u>	<u>Vehicle Type</u>
6.1	Lawn & garden, golf carts, wheelbarrow tires, off road equipment, skid loaders, industrial tires, agricultural equipment and heavy duty trucks (weight greater than 26,000 lbs.)
8.1	Medium duty trucks (pressure greater than 80 psi)
12.1	Medium duty trucks (weight 11,000 – 26,000 lbs.)
15.5	Automobiles, mini vans, sport utility, compact and light trucks (vehicles weighing less than 11,000 lbs.)

Example #1: Garden Tractor Tire

Tire Diameter 22.5" & Tread Width 9"

22.5" x 9" = 202.5

202.5 divided by 6.1 (see chart above) = 33 ounces

Example #2: Automobile Tire

Tire Diameter 27" & Tread Width 7"

27" x 7" = 189

189 divided by 15.5 (see chart above) = 12 ounces

For car tires with a Rim size of R12 (12"):

- All 4" treads = 5 ounces
- All 5" treads = 6 ounces

For all bicycles:

- Narrow racer tires = 2 ounces
- Mountain bike or bmx tires = 4 ounces

For tires less than 15 psi, use an additional 15%. For best results have tires balanced before installation.

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