

Termite Tornado Owners Manual



800-940-8024
Reallyinnovations.com

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Basic Termite Treatments



A variety of treatment methods are available to the pest control operator. Today's treatments include the application of repellent or non-repellent termiticides to the area to be treated. The listing below offers a brief overview of the common methods of application.

Dusting: A duster as shown at right is utilized to apply fine dry powdered treatment to specific very small areas. This system is best used where any application of moisture could damage finishes such as hollow doors or veneered furniture.



Hand Duster



Really Wallfoamer 3 with Dual Hose Technology.

Liquid Spray: A low pressure application of liquid termiticide directly to treated areas. Liquid spray is the least efficient of the application systems as there may be significant "run-off" or wasted product during the treatment. Proper tip selection will minimize waste.



Liquid Spray Wand with Dye Injector

Foaming: Foaming voids reduces the amount of "waste" material significantly over liquid spraying. Foams "stacking" characteristics allow the void to fill without "flooding". Foam will also flow throughout the void around most partial obstructions.

Misting: Encompassing Hydraulic (liquid pressure) and Pneumatic (compressed air) systems, misting uses very small droplets at high velocity to penetrate into treated materials. The ability to create a sudden massive humidity spike without flooding is at the core of this treatments effectiveness.



Moisture Meter



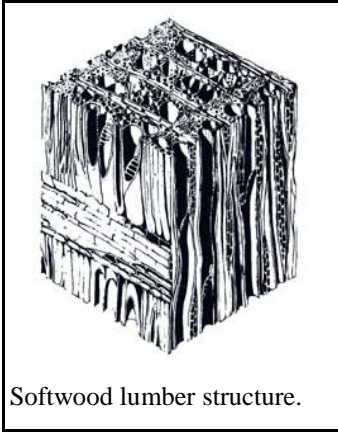
25 Gallon "Mr. Mister"

Dry lumber and porous building materials readily absorb termiticide solutions. Small droplets are suitable for both large areas (attic and crawl space) as well as small wall and miscellaneous construction voids.



Tornado Pneumatic Mister

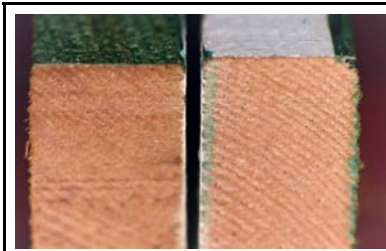
The “Tornado” Advantage



Softwood lumber structure.

The illustration at the left shows the typical structure of construction grade lumber. While growing the tree used the porous structure of “capillaries” to transport liquid nutrients. That very same structure is utilized by termites as they consume the wood. Now it is possible to transport treatment via the same routes.

The “Really Innovations Tornado” uses small amounts of treatment and air pressure to exploit the capillary structure and transport treatment. Whether the treatment follows the natural grain or a termite gallery it is spread more uniformly and effectively with the Tornado.



Comparison of treatment penetration in standard construction lumber. Pneumatic treatment on right shows greater penetration.

This is a major improvement in treatment application over surface applications which rely on absorption to move treatment to interior

The Tornado can also deliver treatment to areas previously thought inaccessible without drilling and patching. The following section will outline the basic techniques of Pneumatic Misting.



Using the Tornado to deliver treatment along the grain of a beam.

Operating the Machine



Filling the Pressure Vessel: Remove all pressure in can by gently pulling the ring attached to the pressure relief valve. Lift the handle on the oval cover. Push Cover down, spin the cover and remove from can. Fill can with PREMIXED finished termiticide solution. Reinstall cover.

Turning on the compressor.: Looking from the back of the machine the switch for the compressor is on the lower right hand side of the compressor shroud.



Adjusting the Pressure: The pressure gauge is located close to the wheel on the left side of the cart. Rotate the knob clockwise to increase pressure, counter-clockwise to decrease pressure. Normal operating pressure varies from 5 psi to 40 psi .



Applying treatment: With compressor running squeeze trigger valve to add liquid to air stream. The air stream is used to direct and drive the liquid into cracks/crevices to access voids and into galleries and grains to permeate wood and building materials. Nail holes, paint cracks, and construction joints can all be used to apply treatment into desired areas.



Note: There is a calibration orifice between the gun and wand. If the unit stops delivering liquid or will not start spraying liquid see the Equipment Maintenance section of this manual. The orifice must be clean and installed properly for the Tornado to operate as designed.. Do not remove or modify this component.

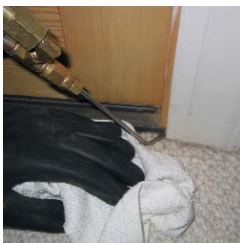
Basic Techniques



The Tornado is the perfect tool for treating exterior trim and siding. The forced air pushes the liquid behind fascia, and drip edge, around soffits, and even behind and through lap siding.



Interior treatments are applied with the Tornado through the small construction voids at windows, doors, and trim. Liquid laden air follows the smallest crack and treats the void behind.



Equipment Maintenance



Periodic Inspection:

The following should be inspected prior to each use to insure the safe operation of this unit.

Plug: The electrical plug should be inspected for damage or abuse. Frayed or damaged cords could lead to electrical shock. This unit must be used with grounded outlet or extension cord with ground. Minimum gauge extension cord is 12 ga. For 50 feet.

Pressure Vessel: Inspect the can for damage including cracks or corrosion.

Fittings: Insure all fittings are not damaged and are secure.

Main Gasket: Inspect the O-Ring on the lid for splits or tears.

Pressure relief valve. Insure the pressure relief valve is present and operating properly.

Pressure Gauge: Inspect Pressure gauge for damage and operation.

Pressure Regulator: The regulator should be set at or below 35 PSI

Contact Really Innovations for replacement parts for any and all damaged components. Dial 1-800-940-8024 if you have any questions regarding the safety

Equipment Cleaning:

Daily Cleaning: Thoroughly rinse the stainless steel pressure vessel with warm water. After rinsing fill with 1 qt warm water, reseal the pressure vessel start compressor and run warm water through the hose and gun to rinse.

Hot Water Cleaning: Periodic cleaning with hot water and mild detergent will extend the life of your equipment. Mix 2 gallons of hot water and a teaspoon of mild dish detergent in the 5 gallon pressure vessel. Shake the sealed pressure vessel vigorously for one minute then reconnect hoses and run the soapy material through the system. Follow the same instructions as above to rinse any remaining detergent from the system.

Special Note: If the system is stored with water in it there is a possibility that the orifice or screen between the trigger assembly and the treating rod may become clogged and prevent the unit from operating properly. To clear the clog loosen the large brass nut on the rod end of the gun and clean the orifice and screen. **The orifice and screen must be clean and in place for the unit to work properly.**



Parts Breakdown

Parts may be ordered at 800-940-8024

