

How to Use Boeshield T-9®



Boeshield T-9® protectant and lubricant was developed by the Boeing Company for long term metal protection. It can be used on all metal surfaces where corrosion protection and/or sliding lubrication are needed.

Boeshield T-9® is a solvent and paraffin wax based formula with over a dozen components including corrosion inhibitors. It penetrates, has a high creep rate, displaces moisture, lubricates, is waterproof, stops existing corrosion, exhibits excellent corrosion resisting results in salt spray exposure, and lasts for months and even years depending on use.

When applied, Boeshield T-9® sets to a soft, translucent, colourless, and waxy film which is not sticky, tends to shed dirt, and may be buffed to a shine. Set time varies from seconds to hours, and possibly days, depending on environment (air circulation, temperature, humidity, etc.) and thickness of coating. To be most effective Boeshield T-9 must be in contact with the metal and the solvent portion be allowed to evaporate.

Boeshield T-9® contains no harsh solvents and is safe to use around most paints, plastics, vinyls, wiring, and many glues. Because of its high dielectric it may be applied to electrical circuits, controls, and wiring. Boeshield T-9® does not require mixing, is not damaged by freezing, and shelf life is indefinite. Coverage for a single 12oz. aerosol can may exceed 500sq.ft. (46sq.m.) depending on method of application and thickness of coating. Boeshield T-9 contains no UV inhibitors and therefore must be reapplied more frequently (perhaps every 3 to 4 months) when exposed to direct sunlight for long periods in outdoor applications. Boeshield T-9® is effective from -40°F to +250° F (-40°C to +120°C).

Industrial Use and Tool Care

For long term metal protection during tool or parts storage apply Boeshield T-9® and allow to set. Repeat once or twice per year depending on environment and exposure. Reapplication does not build up.

Generally it is not necessary to remove Boeshield T-9® for subsequent welding operations. Testing is recommended.

For corrosion inhibition and sliding lubrication on tools in use such as on a table saw surface, spray on lightly and wipe, wetting entire surface. Immediately wipe dry. Reapply weekly or more often depending on service, environment, and exposure to maintain this thin film for corrosion protection and sliding surface.

Equipment table tops	Blades and bits	Woodworking machinery	Metal working machinery
Parts storage	Hand tools	Mechanics tools	N/C tooling

Boeshield T-9® must be reapplied to cutting edges and surfaces after use of tools to maintain corrosion inhibiting properties. Use Blade & Bit™ and Rust Free™ as necessary to clean tools prior to applying Boeshield T-9®.

Bicycle and Motorcycle

For chains and cables apply Boeshield T-9®, wipe off excess, and allow to set for at least one hour. For new chains, dip or soak in Boeshield T-9®, squeegee off excess, and allow to set for a day or two. Spray inside frame tubes.

Road cyclists can get about 500Km (300mi+) per application in clean weather riding. In wet weather riding reapply after half that distance. For off road riding reapply after one quarter that distance, more frequently if conditions require. For best performance, "Apply tonight. Ride tomorrow." to allow solvent portion to evaporate.

Aircraft

Coat the interior of wings, fuselage, tail, and control surfaces. Does not add significant weight to the airframe. One US gallon of liquid is more than sufficient for a typical single engine aircraft. Boeshield T-9® is applied during the "annual" when inspection covers are removed. Reapplication may not be required for 3 to 5 years, depending on service and exposure.

Very effective for rust proofing steel tubing on fabric covered aircraft. Testing should be performed on the exterior skin prior to application to ensure that no degradation of the material or lap joints takes place.

Automotive

Spray liberally on underside of vehicle, under the hood, and inside panels. Boeshield T-9[®] stops existing rust and will not block weep holes. Overspray on body can be wiped or buffed to a shine. Boeshield T-9[®] will lubricate locks, hinges, window mechanisms, and other components. Allow to work into locks before freezing temperatures.

Powerboat

Above Deck - Spray on all metal surfaces and wipe off excess:

Towers	Locks	Motor controls	Latches
Outriggers	Hatch hardware	Stanchions	Light terminals
Railings	Fuel and water covers	Hinges	Canvas snaps

Below Deck - Spray liberally and DO NOT wipe:

Engine exterior	Bilge pump	Thru-hull fittings	Battery terminals
Electrical panels	Steering linkage	Engine interior fogging oil	

Sailboat

Above Deck - Spray on all metal surfaces and wipe off excess:

Mast head sheaves	Sail slides	Stranded rigging	Head foils
Swage joints	Stanchion bases	Turn buckles	Hatch hinges
Snap shackles	Sliding hatch covers	Spinnaker pole ends	Canvas snaps

Below Deck - Spray liberally and DO NOT wipe:

Instruments	Engine	Electronics	Steering linkage
Running lights	Plumbing joints	Electrical connections	Bilge pump

RVs

For most uses spray on Boeshield T-9[®] and allow to set, do not wipe off. Wiping is necessary only to prevent dripping where unwanted or on surfaces which require handling:

Awning hardware	Locks and latches	Steps and linkage	Window tracks
Exposed wiring	Trailer hitches	Generators	Shower doors
Heater control cables	Slide-outs	Electrical terminals	Body panels

Guns and Firearms

Field use: Spray on and wipe off excess. Reapply at least weekly.

Storage: Spray on and allow to set, do not wipe. Repeat every six to twelve months. Re-spray lightly to soften existing material and wipe off excess when ready to use.

General Lubrication

For lubrication of chains, worms, gears, in-line skate bearings, door rollers, door hinges, etc. apply by drip or spray, gently rotate, wipe off excess as necessary, and let set at least one hour to allow solvent component to evaporate, or overnight for best results.

Home and Other Use

Use Boeshield T-9[®] indoors and outdoors. You will find many uses for Boeshield T-9[®] in the shop, garage, home, vehicle, office, cottage, and everywhere. Because Boeshield T-9[®] is so clean and does not attract dirt it is great for locks, sliding patio door, sliding shower door rollers and tracks, squeaky hinges, storing garden tools and snow equipment, and generally wherever you need great metal protection and/or great lubrication.