



WEATHER WARRIOR™ OUTDOOR RUST PREVENTATIVE COATING Frequently Asked Questions

What is it?

ARMOR Weather Warrior™ Outdoor Rust Preventative Coating is a water-based, non-permanent, outdoor rust preventative coating designed to protect metal parts and equipment stored outdoors for up to 9 months or stored indoors for up to 2 years. When applied by spray, dip or brush, Weather Warrior dries quickly to form a tough, wax-like barrier coating on the surface of metal to displace moisture. It is heat stable and does not transfer, abrade or run. Weather Warrior contains no toxic or harmful materials, no VOCs and it will not harm most elastomers plastics or painted surfaces. It delivers the highest level of corrosion-resistance possible from a water-based coating – Weather Warrior is premium rust prevention that weathers the storm.

Where can it be used?

ARMOR's Weather Warrior is an outdoor storage and transit coating. It is safe to use on the majority of metals, and will not harm most elastomers, plastics or painted surfaces. It provides excellent protection for the following applications:

- Metal parts stored outdoors
- Export equipment or machinery
- Pipes, flanges, cast iron fittings, pumps
- Vehicle frames, large castings, axles
- Construction equipment
- Steel rods/bar stock/coils, structural steel, and metal stampings
- Any metal surface that requires outdoor protection during transit or storage

How durable is Weather Warrior?

This high-performance rust preventative barrier coating provides long-term indoor or medium-term outdoor storage protection.

- 2-year indoor protection
- Approximately 9-month outdoor protection depending on conditions
- Over 2000 hours humidity performance per standard ASTM D-2247
- Over 336 hours salt spray performance per standard ASTM B-117
- Weather Warrior meets the performance requirements of specification MIL-C-16173D grade II

International HQ

1551 North Burkhart Rd. Howell MI USA 48855

PH 800.365.1117 517.546.1117 FX 248.573.0241 info@armorvci.com armorvci.com



How much will I need?

The target dry-film thickness is 2 mils (0.002 inches or 50 microns). This is the same target film thickness of most paint primers. Weather Warrior coverage is 550 sq ft/gallon @ 2 mils dry film thickness.

How should Weather Warrior be applied?

Weather Warrior may be applied by brush, dip coating, or airless spray. The thin-bodied liquid rapidly penetrates recessed areas and displaces moisture from metal surfaces. The coating should have a wet-film thickness of approximately 3.5 mils (the thickness of a typical sheet of printer paper), which will result in a dry-film thickness of approximately 2 mils.

While it is not required that metal surface be pre-cleaned in order for Weather Warrior to form its protective barrier, it is recommended. For optimal effectiveness, it is always best to apply a barrier coating to a clean metal surface to assure the best corrosion protection.

Please refer to the *ARMOR Weather Warrior Application and Removal Bulletin* for detailed instructions.

How long does it take to dry?

Weather Warrior dries to semi-translucent film in approximately 20 minutes and completely cures to a firm, wax-like coating that will not be washed off by water within 24 hours.

Dry times are dependent on ambient conditions such as temperature, humidity and airflow. The dry time is directly affected by how fast the water portion of the Weather Warrior formula is able to evaporate into the air. In very humid conditions dry times will be longer. Dry time can be accelerated with warm air, fans, or portable heaters.

Is it Safe?

Weather Warrior contains no toxic or harmful materials. It replaces flammable, solvent-based coatings that require hazardous solvents to be removed. Weather Warrior is a durable coating that can be removed with detergent instead of solvents and contains no hazardous components. After drying, Weather Warrior's corrosion-resistant coating will not transfer, abrade or run, keeping storage areas free of stains or hazardous slippery and messy residue.

Weather Warrior is non-flammable and contains no VOC's per EPA Clean Air Act guidelines. Please refer to the *Weather Warrior Safety Data Sheet* for additional information.

Is Weather Warrior safe to use on non-metal surface?

Yes, it will not degrade or harm most plastics, elastomers or painted surfaces.

Weather Warrior is formulated for corrosion inhibition but it will also provide protection to painted surfaces during storage and transit.

International HQ

1551 North Burkhart Rd. Howell MI USA 48855

PH 800.365.1117 517.546.1117 FX 248.573.0241 info@armorvci.com armorvci.com



Is it safe to use on equipment containing electrical devices?

Yes, Weather Warrior can be used on equipment containing motors, generators and other similar components. Equipment should be disconnected from all electrical sources prior to application. Electrical circuitry should be covered or masked prior to application. Remove Weather Warrior from electrical connectors prior to being put in service.

How can a customer remove Weather Warrior?

For many applications, Weather Warrior does not require removal before the component or equipment is placed in service. However, removal is required if the component will go through subsequent processes such as welding, burnishing, or coating.

If required, Weather Warrior can be removed with detergent or an alkaline cleaner such as Weather Warrior™ Remover. Weather Warrior Remover is an alkaline, biodegradable spray cleaner that can be applied with any spray equipment designed to work with alkaline materials.

To remove, saturate Weather Warrior-coated surfaces with remover and leave undisturbed for a minimum of fifteen minutes. Thoroughly rinse with large amount of water. If access to water is limited, the coating can be removed with a combination of moderate rinsing and wiping of the surface. For large surface areas, it is best to remove Weather Warrior one section at a time.

Weather Warrior Remover does not contain any organic solvents. However, it is strongly alkaline and personal protective equipment such as goggles and gloves should be worn. Please see the *Weather Warrior Remover Safety Data Sheet* for additional information.

What are the recommended storage conditions for the Weather Warrior product?

Store Weather Warrior at a temperature of 32°F or above. Unopened Weather Warrior in original container and stored in proper conditions has a shelf life of 1.5 years. Once opened, store product in an airtight container for an expected shelf life of 8 months.

If Weather Warrior freezes, thaw gradually and do not expose container to direct heat source. Once thawed, mix thoroughly prior to use.

Minimal separation may occur during storage – light mixing or agitation is recommended prior to application. Sufficient agitation can be achieved via hand mixing, container motion, or recirculation. See *ARMOR Weather Warrior Application and Removal Bulletin* for more info.

Once Weather Warrior's protection wears off, can a new/additional coat be applied?

Weather Warrior is designed to protect metal parts and equipment stored outdoors for up to approximately 9 months (depending on conditions) or stored indoors for up to 2 years. To extend Weather Warrior's protection, simply apply a fresh coat following the same application process. There is no need to remove previous coating before applying new.

Updated 10.28.21

International HQ

1551 North Burkhardt Rd. Howell MI USA 48855

PH 800.365.1117 517.546.1117 FX 248.573.0241 info@armorvci.com armorvci.com