



Innovation in Metalworking Chemicals



Protect Your Final Machined Products from Rusting

At JTM Products Inc., we recognize that not every part that is machined will go immediately to the next process on its way to creating a final product. Newly machined parts are especially susceptible to corrosion and rust because of their fresh, unprotected surface. If these parts are to be stored or even shipped after machining, manufacturers rely on corrosion protection either via in-process inhibitors that leave an imperceptible thin film once the machining operation is complete, or via long term films applied after the machining process. JTM Products Inc. offers rust preventives that provide anywhere from a couple of days of indoor protection to 24 months of outdoor protection.

JTM has 3 options for preventing rust and avoiding parts that look like the beams in this photo.



Unprotected Rusted Beam

Temporary In-Process Corrosion Inhibitor: designed for in-process or indoor rust prevention



Protected Component

Protect Rite 401

- Oil-free, full synthetic water-based corrosion inhibitor.
- Formulated to provide protection on steel surfaces during machining processes or in between subsequent operations.
- This thin-film product is dry to the touch and imperceptible on the metal surface.

Why use an in-process corrosion inhibitor? To protect the metal components of the machine, the tool, as well as the finished part. In-process corrosion inhibitors are water-based and therefore are low VOC and typically compatible with the metalworking coolant being used. Once water evaporates, the film left

is invisible to the eye. Although traditionally applied via the coolant itself, water-

based in-process preventives can also be applied via dip tank or spray.

Short and Long Term Rust Preventives: designed for indoor or outdoor protection during storage and/or shipping

Protect Rite 1206

- Solvent and oil combination product.
- Formulated to provide short-term, indoor rust prevention of cleaned and washed parts for six months to a year dependent on the material and indoor storage environment.
- This thin-film product is dry to the touch and imperceptible on the metal surface.

Protect Rite 406

- Solvent based product.
- Formulated to protect ferrous and non-ferrous materials from rust. Protect Rite 406 is designed to provide up to 24 months of outdoor protection and unlimited indoor protection.
- This thicker film product is dry to the touch.



Protected Steel Rolls



Why use rust preventives for short or long term storage? Parts that are machined are especially susceptible to rusting. Job shops machine specialty pieces that require storage or even shipment to another shop for further processing. Further processing can be within the same shop, down the street, or across the country. The part is not in its final state and ready for a permanent coating so rust preventives are utilized to provide a temporary barrier film to protect that freshly machined surface from rust. Short and long term rust preventives can be applied via dip tank, spray, or brushing. Thinner film products that are invisible are utilized indoors and can offer storage protection from 3 months to 2 years. Thicker film products are visible and are meant to offer more permanent protection. They are utilized for outdoor uncovered protection for 2 years or more.

	Protect Rite 401	Protect Rite 1206	Protect Rite 406
Storage and Shipping Coatings: Finished Parts or Raw Stock	< 3 months covered	3-24 months covered	24+ months uncovered
Pickling Oils: Acidic Environment	Not recommended	Not recommended	24+ months uncovered
Slushing Oils	< 3 months covered	3-24 months covered	Not recommended
Dip Tank Fluids	< 3 months covered	3-24 months covered	Not recommended
Automotive: Underbody and Innerbody Coatings	Not recommended	Not recommended	24+ months
Structural Steel Maintenance Coatings: Bridges, Storage Tanks, Towers, Frames, Stored Equipment/Machinery, etc.	Not recommended	Not recommended	24+ months
Wire Rope Coatings	Not recommended	Not recommended	24+ months

Our mission is to develop industrial lubricants and chemicals that represent new technology with obvious value to our distributors and their customers. Please contact your JTM Products Inc. representative to learn more about our available Corrosion Inhibitors.



Quality Industrial Lubricants
for Over 100 Years.

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