

 Finishing the hard to finish

Metal Guard® for Heat Treat

Temporary rust protection for steel parts before heat treatment and between process steps.

Protect parts without complicating the next operation

Clean steel can begin oxidizing while it waits for heat treatment or moves between operations. Metal Guard 821 and 822 are water-soluble concentrates that leave a dry, invisible, non-oily film designed for short-term indoor protection. The film will not hinder subsequent operations and can be removed with a mild alkaline cleaner.

Metal Guard® 821

Versatile in-process rust inhibitor for final dip, tumbling or soak operations.

- 1-3% by volume with water
- Ambient to 180°F
- Low foam
- Also suitable for spray washers and vibratory burnishing

Metal Guard® 822

Formulated specifically for spray applications; also suited to final dip, tumbling or soak operations.

- 1-3% by volume with water
- Ambient to 180°F
- Low foam
- Designed for spray application

Key Features

- | | | | | |
|-------------------------------------|---------------------------------|------------------------------------|--|--|
| ✓ Short-term indoor rust protection | ✓ Dry, invisible, non-oily film | ✓ Water soluble and easily removed | ✓ Low-use concentration for cost effective operation | ✓ No fire hazard from the water-based working solution |
|-------------------------------------|---------------------------------|------------------------------------|--|--|

Heat Treat Process Fit

Use after cleaning or as an in-process final stage when steel parts need temporary protection before the next manufacturing or heat-treat step.

Metal Guard® 821

FEATURES	BENEFITS
Excellent short-term in-process rust protection	Helps prevent rust on high-value steel parts between process steps
Easily soluble in water	Easily removed with a mild alkaline cleaner
Used at low concentrations	Cost effective across large applications
Low foam	Suitable for spray washers or as a burnish in vibratory mass finishing
Dry, invisible, non-oily film	Will not hinder subsequent operations
Higher temperatures up to 180°F	Facilitates faster drying and can speed production

Metal Guard® 822

FEATURES	BENEFITS
Formulated for spray applications	Targets temporary indoor rust protection in spray processes
Excellent short-term process rust protection	Helps prevent rust on high-value steel parts between process steps
Easily soluble in water	Easily removed with a mild alkaline cleaner
Used at low concentrations	Cost effective across large applications
Low foam	Suitable for spray washers or as a burnish in vibratory mass finishing
Dry, invisible, non-oily film	Will not hinder subsequent operations

Which one should I use?

Choose Metal Guard 821 for versatile final-dip, tumbling, soak or in-process use. Choose Metal Guard 822 when spray application is the primary requirement.

PLC-0926



Surface Cleaners



Metal Finishing



Wastewater Treatment

Chemistry and Expertise for
Manufacturing's Toughest Problems



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