Nox-Rust® VCI Powders

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DAUBERT CROMWELL
The Leading Name in Corrosion Prevention®

Applications

Designed to protect the interior metal surfaces of enclosed systems such as:

- **Boilers**
- **Turbines**
- **Heat Exchangers**
- **Compressors**
- **Tubes, pipes**
- **Power Generation Equipment**
- **Mining Equipment**
- **Drilling Equipment**

Applications

Nox-Rust® VCI Powders:

- Provide continuous corrosion protection for ferrous and aluminum metals.
- Prevent corrosion on metal surfaces in both vapor and contact phases.
- Protect internal cavities and recesses in preservation and lay-up applications.
- Are ideal for preserving equipment that needs to undergo hydrostatic testing prior to shipping and storage.
- In a mothballed facility, Nox-Rust powders keep machinery in working order so that production may be restored quickly if needed.

Nox-Rust® Powder Types

1000SF

- Silica-free, water soluble powder for protecting equipment during storage or lay-up or hydrostatic testing. For ferrous metals. Apply by dusting, fogging, or dissolve in water. No need to remove before restarting the unit after shut-down.

1000SFG

- Finely ground version of 1000SF. Use in applications where a fine powder is needed.

1010SFG

- Silica-free, water soluble, finely ground powder. Use wet or dry. Compatible with copper, brass and galvanized steel. Does not need to be removed prior to equipment restart.

Nox-Rust® VCI Powder 1010SFG

- Silica-free, water-soluble, finely ground powder
- Compatible with copper, brass and galvanized steel
- No removal needed prior to equipment restart
- Inhibitor Protection: 24 months minimum, inside dry storage
- Shelf life is 2 years, stored in the original shipping container used by Daubert Cromwell and not stored in high humidity or high temperatures.

Dry Application:

- Remove dirt, oil, grease and loose run according to job specifications
- Sprinkle or fog into the interior so that the surface of the metal is covered with the powder.
- Use 5 lbs/3000 sq. ft. of surface area (8 gr/sq. meter).

Wet Application:

- When applying the powder in an aqueous solution, add 0.5 to 1.0% Nox-Rust 1010SFG to water. Close all external openings to properly contain the VCI.

Nox-Rust® VCI Powder 1010SFG

Safe to Use

- Safe, environmentally friendly.
- No phosphates, heavy metals, or nitrites.
- Replaces hydrocarbon and solvent-based liquids, nitrogen blankets, desiccants and other less dependable or costly alternatives

Removal

- Not typically necessary.
- No build up.
- Powder is completely water-soluble and there is no silica contribution (100% silica-free).
- If removal is desired, use a simple cold-water flush, water spray, or air gun.

Nox-Rust® VCI Powder 1010SFG

For pipes the following estimates can be used:

Diameter of pipe, ft	Usage in lbs per 50 cubic ft
< or = 1	0.5
1-3	1
3-6	2
6-9	3
9-12	4

Nox-Rust® VCI Powder 1000SF

- Silica-free, water-soluble powder
- For protection of equipment during storage or lay-up or hydrostatic testing
- For ferrous metals
- Application: dusting, fogging, or dissolve in water
- Removal: not needed prior restarting unit after shut-down

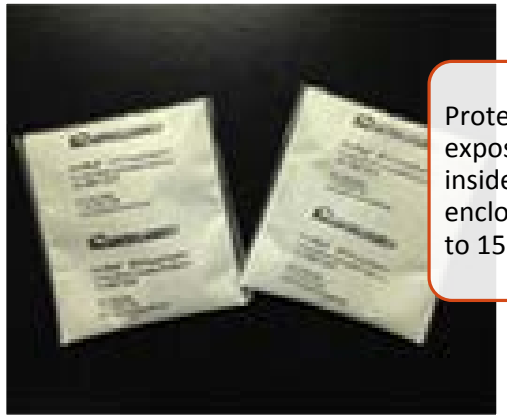
Nox-Rust VCI Powder 1000SFG

- Finely ground version of 1000SF
- Use in applications where a fine powder is needed.

Other VCI powder products

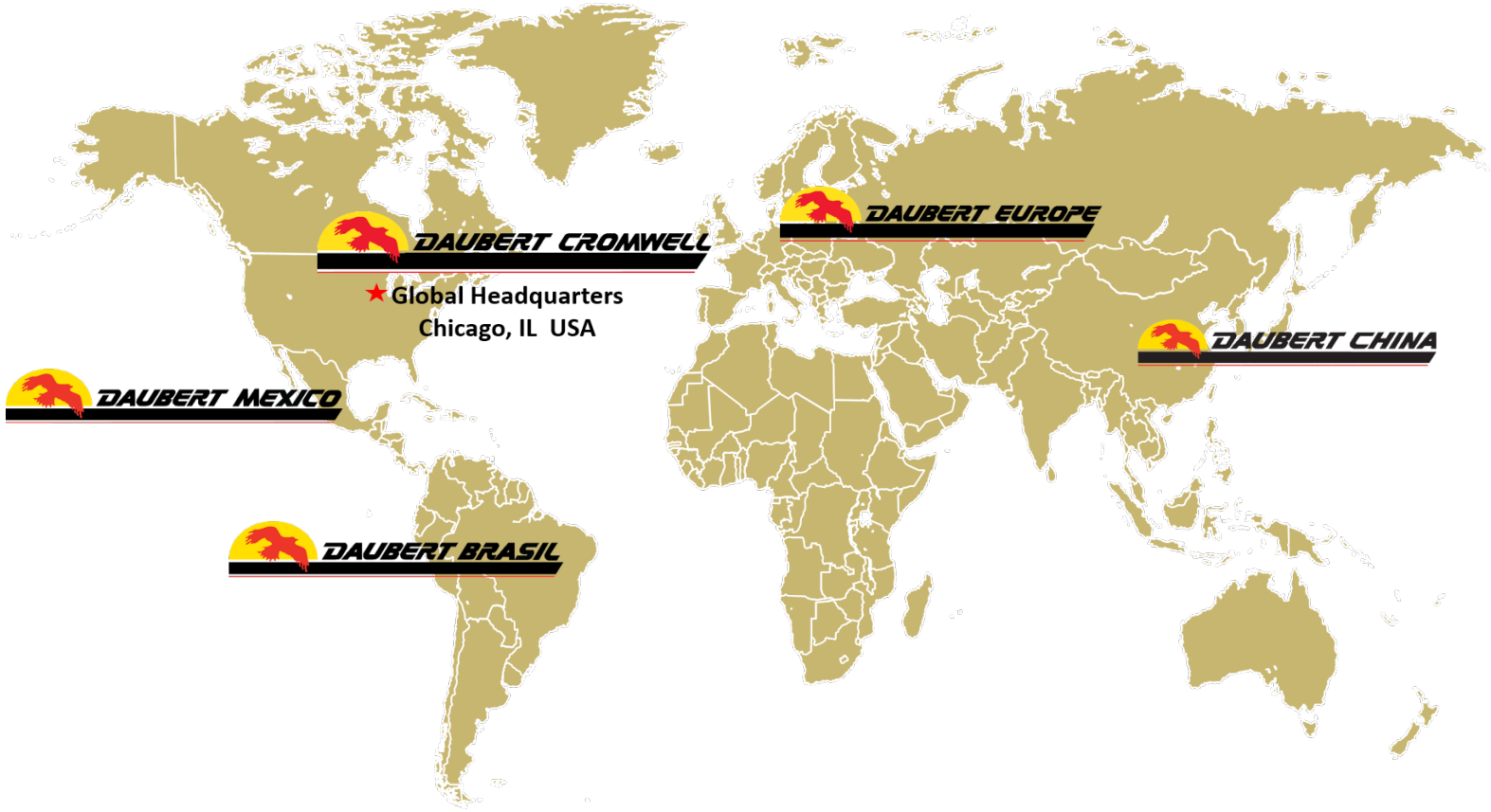
- **Nox-Rust 100SF Powder pouch.**
- Breathable polyethylene bag filled with 1000SF
- Diffuses slowly out of the sealed bag, protecting ferrous metals during extended periods of equipment inactivity, during storage or lay-up
- Each 8”x11” pouch emitter is designed to protect up to 900 cubic feet of enclosed space.
- Ideal for interior metal surfaces of boilers, tanks, void spaces inside vessels, turbines and steam or condensate pipe lines.

Nox-Rust 1015 Pouch Emitter



Protects exposed metals inside an enclosure of up to 15 cubic feet

For more information, contact us.



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