



The Invisible Tax on Manufacturing: Why Strategic Corrosion Prevention Matters

In modern manufacturing, precision is everything. Every micrometer, every alloy blend, and every surface finish is meticulously engineered. Yet, many facilities routinely lose thousands of dollars to an ancient, natural enemy: atmospheric corrosion.

Often treated as an afterthought or a housekeeping issue, rust is a direct tax on operational efficiency. Unprotected metal parts exposed to humidity, temperature fluctuations, or human handling can degrade within hours. Fortunately, implementing a strategic rust-prevention program using specialized barriers like **Metcor 57** can eliminate these losses entirely.

The True Cost of "Flash Rust"

Corrosion doesn't wait for transit or long-term storage; it begins the moment bare metal meets oxygen and ambient moisture. In a busy shop environment, "flash rust" can ruin components between manufacturing steps.

When parts oxidize, the financial damage extends far beyond the raw material cost:

- Wasted Labor
- Scrapped Inventory
- Tooling Damage

Metcor 57: High-Efficiency Barrier Protection

To halt oxidation without bottlenecking operations, industrial facilities require a barrier that applies effortlessly, protects reliably, and removes cleanly. This is the exact design philosophy behind **Metcor 57**, a solvent-based corrosion preventative. Formulated specifically for long-term indoor protection (six months to one year), **Metcor 57** functions as an engineered seal between the metal substrate and atmospheric hazards.

Why Metcor 57 is Essential for Your Workflow

Many traditional rust preventatives rely on heavy oils or waxy greases. While these block moisture, they introduce major operational headaches—they gum up machinery, attract ambient dust, and require aggressive chemical solvents to clean off before subsequent manufacturing steps. **Metcor 57** solves these legacy issues through four distinct engineering advantages:



1. **Advanced Water-Displacing Technology:** Humidity and ambient condensation are unavoidable in non-climate-controlled warehouses. Upon application, **Metcor 57** actively penetrates beneath ambient moisture, lifting it off the substrate and completely sealing off the metal surface on contact.
2. **Built-In Fingerprint Neutralization:** Human sweat contains salts and acids that eat into bare steel, leaving permanent, hand-shaped rust patterns on finished goods. **Metcor 57** features specialized chemistry that neutralizes these residues instantly, making it safe to handle parts during quality control inspections and packaging workflows.
3. **Clear Film for Seamless Part Identification:** Because **Metcor 57** dries into a completely transparent, non-gumming barrier, workers can read etched part numbers, barcodes, and quality stamps right through the coating.
4. **Zero-Prep Application and Removal:** Time is money on the shop floor. **Metcor 57** requires no mixing, measuring, or dilution. It can be sprayed directly on raw coil stock, used as a dip tank solution for machined parts, or brushed onto large tools. When the metal is ready for final finishing or assembly, the film washes away quickly with standard, mild industrial cleaners.

Protecting the Bottom Line:

Corrosion prevention shouldn't be viewed as a secondary maintenance task; it is a vital quality control step. By integrating a multi-metal safe inhibitor like **Metcor 57** into your standard operating procedures, you protect your tooling investments, eliminate costly scrap and rework cycles, and guarantee that your customers receive pristine, rust-free components every time.