

WHY COATINGS FAIL EARLY — PART 2

Where One Spark Is Unacceptable — So Rust Stays Under the Paint

No blasting. No grinding. No hot work. The steel gets a wire brush — *and the rust gets a future.*

A wire brush removes loose rust only. What stays keeps growing. The coat fails in **a season or two** — exactly where repainting is hardest to permit.

WHERE IT HAPPENS

Refinery & petrochemical units — one grinding spark near hydrocarbons is unthinkable. So pipe racks get painted over rust, decade after decade.

Gas plants, LNG, city-gas stations — flammable zones. Blasting and sparking tools are banned, full stop.

Solvent, paint and chemical storage — vapour zones where hot-work permits are refused outright.

Dust zones — grain, flour, feed, coal, sugar, biomass. A spark in dust is a blast. Prep is forbidden.

Every running plant — even with permits: fire watch, standby crew, stopped work. Easier to skip the prep. So it is skipped.



Rusted live-unit steel — blasting impossible



Explosive dust — no sparks allowed



What every spark costs: permits, fire watch, risk

Why the coating fails
A coating is only as good as the steel under it. Hand cleaning leaves rust in every pit. The rust grows, lifts the film — and in a season the zone needs another permit, another fire watch, another risk.

The answer where sparks are banned
Z 704 RUSTEX – NMB goes on cold, by brush. No flame. No spark. No grit. It converts the rust hand-cleaning leaves behind — to the base of every pit — and bonds the topcoat for years. See the Z 704 flyer beside this page.

PROVE IT IN YOUR LIVE ZONE
Pick rusted steel inside your no-hot-work zone. We treat it cold, in front of you. Free.
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