

WHY COATINGS FAIL EARLY — PART 1

Where Acid Salts Destroy Coatings From Below

The paint looked perfect. The salt under it **never stopped working**.

Invisible salt under a coating pulls water through the paint itself. Blisters come in **months** — not years.

WHERE IT HAPPENS

Pickling & galvanizing sheds — acid fume settles as salt on every beam and duct.

Fertiliser plants — acid areas, prilling towers, ammonium dust everywhere. These salts drink moisture.

Boiler, DG and furnace stacks — SO₂ turns to acid dew on ducts, ESPs and nearby steel.

DM plants, battery rooms, plating shops — acid mist, every working day.

ETPs, smelters, paper and dye houses — acid in the air, salt on the steel.

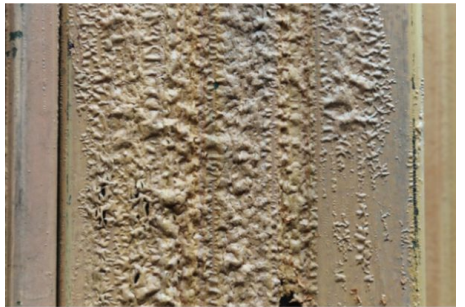
Coastal industry — sea chloride plus stack acid. The worst mix.



Acid fume attack — pickling shed



Salt-laden air — prilling tower steel



Blisters: salt trapped under the film

WHERE THE SALT HIDES

Undersides rain never washes — worse than exposed faces. Rain rinses. Shelter stores.

Ledges and pockets — dust settles, holds water.

Bolt threads, crevices, weld lines — no wash reaches inside.

The base of every rust pit — exactly where ordinary treatment never goes.

Why the coating fails

Acid salts pull water through sound paint — a pump that never switches off. Water collects at the steel. Blisters lift the film. The acid keeps eating under a coat that still looks fine.

The answer on salted, acid-attacked steel

Wash. Dry. Then **Z 704 RUSTEX – NMB**. Its multi-chemistry converts rust under the leftover salt — to the base of every pit. Its nano-bond seals the steel with a bond water cannot break. See the Z 704 flyer beside this page.

PROVE IT ON YOUR WORST STEEL

Pick the most salt-attacked steel in your plant. We treat it in front of you. Free.

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