Pipeline Corrosion Repair

RUST BITES PIPELINES

Solving the problem of

CORROSION-CAUSED PIPELINE LEAKAGES SHUTDOWNS • ACCIDENTS

REPAINTING OVER RUST IN PITS HIDES THE NEXT FAILURE.

REPAIR. CONVERT. PROTECT.



FILL LOCAL PITS. RESTORE THE PROFILE.

Z801 FASTSTEEL

Fast-setting, steel-filled repair for approved local pits.



CONVERT RUST. BOND THE TOPCOAT.

Z704 RUSTEX-NMB

Converts residual rust. Treats salt and acid traces.



COAT THE PIPE. SHIELD THE STEEL.

SELECTED TOPCOAT

External protection from moisture, salt, acid exposure and dirt.

01 WHY Z704 IS FIRST IN THE WORLD

TRIARMOR TECHNOLOGY

WORLD'S FIRST MULTI-CHEMISTRY, NANO-MOLECULAR ADHESION RUST CONVERTER

CONVERTS DEEP RUST

Converts residual rust inside prepared pits.

TREATS RESIDUAL TRACES

After washing, treats rust beneath salt/acid traces and seals the interface.

BUILDS COVALENT BOND

Bonds converted steel to the protective topcoat.

≈ 2x
GRIP

≈ 2x
SYSTEM LIFE

500+
HOURS SALT SPRAY WITH EPOXY

BLUE-BLACK = CONVERTED | ORANGE = RECOAT

02 WHY REPAINTING FAILS



PITTING EATS THE PIPE WALL.

Rust, moisture, salt and acid remain trapped in pits.

Z801 | RESTORE LOST PROFILE



RUST REMAINS WHERE TOOLS CANNOT REACH.

Between pipes. Under clamps. Around supports.

Z704 | CONVERT WHAT REMAINS



PAINT PEELS. RUST GROWS BELOW.

Weak rust causes poor adhesion and blistering.

Z704 | BUILD THE TOPCOAT BOND

REPAINTING COSTS MORE THAN PAINT.

LABOUR + SCAFFOLDING + REPEAT PREPARATION

ONE COMPLETE PIPELINE SYSTEM

REPAIR	CONVERT	PROTECT
Z801 FASTSTEEL	+ TRIARMOR Z704	+ STANVAC TOPCOATS

THIS COMBINATION:

EXCLUSIVE TO STANVAC IN INDIA.

MEASURE → CLEAN → RESTORE → CONVERT → PROTECT

03 WHERE CORROSION COSTS

COOLING-TOWER LINES



WET SUPPORTS. RUST RETURNS.

Flanges. Low points. Repainting costs.

FIRE-HYDRANT LINES



FIRE LINES MUST WORK.

Corrosion threatens emergency water supply.

ACID EXPOSURE | PICKLING PLANTS



ACID FUMES + SPLASHES. PIPE EXTERIORS CORRODE.

Acid residues stay active in pits.

SALT EXPOSURE | COASTAL SITES



SALT-LADEN AIR. PIPE EXTERIORS CORRODE.

Salt in pits sustains corrosion.

MECHANICAL SURFACE PREPARATION NOT PERMITTED



NO BLASTING. NO GRINDING. NO HOT WORK.

Clean first. Convert residual rust.

ELEVATED PIPE RACKS



DIFFICULT ACCESS. REPAINTING MEANS SCAFFOLDING AGAIN.

Overhead pipes. Joints. Supports.

04 MATCH EXTERNAL EXPOSURE

Complete the system with the right protective coating.

EXPOSURE	PROTECTIVE COATING	CUSTOMER RESULT
DRY / DUSTY	2050 POLYHYB SHP	FAST-DRYING. ONE-PACK. Direct-to-metal protection.
WET	1040 TST & NMB + 727 SHP	MOISTURE PROTECTION. Surface-tolerant epoxy + polyurethane finish.
ACID FUMES / SPLASHES / COASTAL SALT	1040 TST & NMB + 718 EGF + 727 SHP	ACID + SALT BARRIER. Glass-flake barrier + polyurethane finish.

ENGINEERING CHECK

Z801: Assess wall thickness and fitness first. Approved local pits only.

Z704: Remove loose scale, oil and contamination; wash salts first. Maximum **70°C.**

Confirm topcoat compatibility, layer order, film build and cure before application.

DON'T OVERPAINT RUST.

REPAIR. CONVERT. PROTECT.

HELPS PREVENT LEAKS FROM EXTERNAL CORROSION.

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Performance depends on substrate condition, preparation, application and service exposure.