RUST BITES PIPELINES

CORROSION > LEAKS > SHUTDOWNS > ACCIDENTS

Corrosion removes pipe wall. Repainting without solving rust in pits only hides the next failure.

Measure. Repair. Convert. Protect.

01 REPAIR

Z801 FASTSTEEL

Fast, hand-applied repair for local pits and small surface defects on suitable, clean, isolated pipe.

02 CONVERT

Z 704 RUSTEX-NMB

Stanvac TriArmor multi-chemistry converts remaining accessible rust and builds the topcoat interface.

03 PROTECT

SELECTED TOPCOAT

Keeps moisture, salts, acids and dirt away from the repaired steel.

NEW FOR INDIA: ONE SOURCE. THREE TECHNOLOGIES. Fast local repair. TriArmor multi-chemistry rust conversion. Protective systems for dry, wet, acidic and coastal pipelines.

01 THE CUSTOMER IMPACT

A planned corrosion repair costs less than an unplanned leak, shutdown or accident.

USA

18%

of reported pipeline incidents were caused by corrosion, 1998-2017. PHMSA

INDIA

22 LIVES

lost after internal corrosion, leakage and fire at Nagaram, 2014.

CANADA

12,000 m2

burned after external corrosion weakened the Fox Creek gas line, 2022.

THE FAILURE CHAIN

COATING BREAKS	WATER / SALTS ENTER	CORROSION GROWS IN PITS	WALL THINS	LEAK / RUPTURE	SHUTDOWN / ACCIDENT

WHY ORDINARY ANTI-CORROSION FAILS It can bond to weak oxide, leave moisture and salts in pits, and cannot replace lost pipe wall. If the same preparation leaves the same rust, the failure repeats.

RUST-WEAKENED PIPE: PREPARATION CAN BECOME THE NEXT HAZARD Power grinding removes metal. On a wall-thinned pipe, more removal can reduce pressure capacity. Grinding also creates sparks in flammable areas.

MAKE SAFE > MEASURE REMAINING WALL > USE ONLY THE APPROVED PREPARATION AND REPAIR METHOD

02 COMPLETE PIPELINE CORROSION DEFENCE

One Stanvac source brings together local repair, residual-rust conversion and protective systems matched to the pipeline environment.

SELECT THE PROTECTIVE SYSTEM BY PIPE EXPOSURE

PIPE EXPOSURE	STANVAC SYSTEM	CUSTOMER RESULT
DRY / DUSTY	2050 Polyhyb SHP	Fast-drying, one-component direct-to-metal protection.
WET	1040 TST & NMB + 727 SHP	Surface-tolerant epoxy base with polyurethane finish.
WET + ACIDIC / COASTAL	1040 TST & NMB + 718 EGF + 727 SHP	Glass-flake barrier with polyurethane finish.

Stanvac must confirm layer order, compatibility, film build and cure for the actual pipe and service.

THE TRIARMOR DIFFERENCE Multi-chemistry converts residual accessible rust in pits. Nano-molecular adhesion builds the topcoat interface. Cleaning and engineering repair still apply.

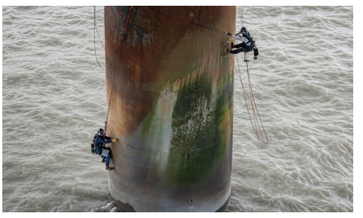
03 WHERE PIPELINE CORROSION KEEPS RETURNING

Four pipeline situations defeat ordinary preparation. In every case, residual rust stays in pits and the next coating can fail from below.

ACID + SALT PIPES

LIVE HAZARDOUS LINES

CLEAN-PROCESS PIPES



ELEVATED PIPE RACKS

PIPELINE AREA	WHY ORDINARY COATING RETURNS	STANVAC RESPONSE
ACID + SALT PIPES	Fertiliser, ETP, pickling and coastal pipe. Salts hide under pipes, at supports, welds and pits, then draw moisture through the new coating.	Fresh-water wash, dry and remove loose scale. RUSTEX converts residual accessible rust. For wet, acidic or coastal service: 1040 + 718 + 727.
LIVE HAZARDOUS LINES	Refinery, gas/LNG and solvent pipe. Grinding or blasting may be prohibited; wire brushing leaves rust deep in pits.	After isolation, gas testing and approved cleaning, cold-applied RUSTEX treats accessible residual rust without blasting grit or spark-producing application.
CLEAN-PROCESS PIPES	Food, pharma and sensitive machinery below pipework. Blasting grit cannot fly; wipe-and-paint bonds to weak rust.	Degrease, wash and remove loose rust. Use the grit-free RUSTEX conversion step before the selected protective system.
ELEVATED PIPE RACKS	Undersides, supports and elbows are hard to reach. Tool pressure and working time are limited; rust remains and work at height repeats.	Provide safe access. Clean and remove loose scale. Low-force brush application treats the remaining accessible rust.

RUSTEX IS NOT 'NO PREPARATION' Remove loose rust and scale. Degrease oil and grease. Wash and dry. Neutralise alkaline contamination. Then convert the residual accessible rust that remains.

04 CRITICAL PIPELINE APPLICATION AREAS

Start where pipe stays wet longest, contamination concentrates, and inspection is easiest to miss.

PROCESS	UTILITIES	CHEMICAL	COASTAL + HIGH
Hydrocarbon process lines **Refinery pipe racks** **Tank-farm transfers** **Low-point drains**	**Cooling / fire-water lines** Steam and condensate Air and gas headers Water-treatment pipe	**Acid / alkali transfer** Fertiliser and ETP pipe Battery / plating lines Chemical dosing lines	**Marine / jetty pipework** Salt-laden outdoor lines Elevated undersides Pipe supports

FIRST INSPECTION POINTS Undersides. Low points. Supports. Welds. Elbows. Flanges. Manifolds. Tank lines. Insulation breaks. Splash zones.

STOP REPAINTING THE SAME RUST

Ask for the complete Stanvac pipeline corrosion package + free site trial on your worst steel.

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