

Paper Mill Pipe Repair



PROBLEM

The Paper Mill Plant faced a critical issue with leaking, corroded, and eroded steel pipes. These pipes were impossible to replace without causing a major forced outage at the mill. The plant required an effective solution to extend the life of these pipes and avoid the significant disruptions and costs associated with pipe replacement.

SUBSTRATE

Steel Pipe

PRODUCTS USED

[Resimetal 103 Metal Repair Stick](#)

[Resimetal 108 Pipe Repair Tape](#)

SOLUTION

Unconventional Solutions, Inc. (USI) devised a repair method to restore the integrity of the steel pipes without needing replacement:

Surface Preparation: The area was cleaned and prepped according to the Technical Data Sheet for the selected products. Proper preparation ensured optimal adhesion and effectiveness of the repair materials.

Application of Metal Repair Stick:

[Resimetal 103 Metal Repair Stick](#) was applied to any holes or areas where the pipe wall had thinned. This product provided an immediate and effective repair to restore the pipe's integrity.

Application of Pipe Repair Tape: Following the application of the repair stick, [Resimetal 108 Pipe Repair Tape](#) was applied according to its Technical Data Sheet. This moisture-activated tape cures fully in 30 minutes with no shrinkage and can withstand operating temperatures up to 270°C. The high psi rating of up to 750 psi (50 bar) ensures robust and durable repairs.