

EPOXIES IN WATER TREATMENT

01

Leak prevention

Without epoxies, water pipes are more susceptible to leaks & contamination due to corrosion. Epoxies prevent water loss & ensure that no contaminants from the external environment degrade the quality of the drinking water.



02

Infrastructure longevity

The absence of epoxies in water infrastructure would lead to more frequent maintenance and/or replacement work. Epoxies enable a longer lifespan of water systems whilst simultaneously reducing the frequency of repairs. Therefore, the carbon footprint of maintenance activities is reduced.



03

Water flow efficiency

Epoxies are vital for maintaining efficient water flow through pipes. Epoxy coating make smooth surfaces which reduces friction, hence minimising energy consumption & operational costs. On the same token, smooth surfaces prevent bacterial infestation.



04

Barrier/adhesives

Epoxies provide a barrier that protects pipelines from contamination, preventing galvanic corrosion from dissimilar metal joining. Hence, less leaching of harsh metals to humans and environment.



05

Rapid maintenance

Epoxies facilitate quick, and effective maintenance of water systems through innovative applications, like spray-in-place pipe linings. If epoxies were removed from the picture, it would have a grave impact on service efficiency.

