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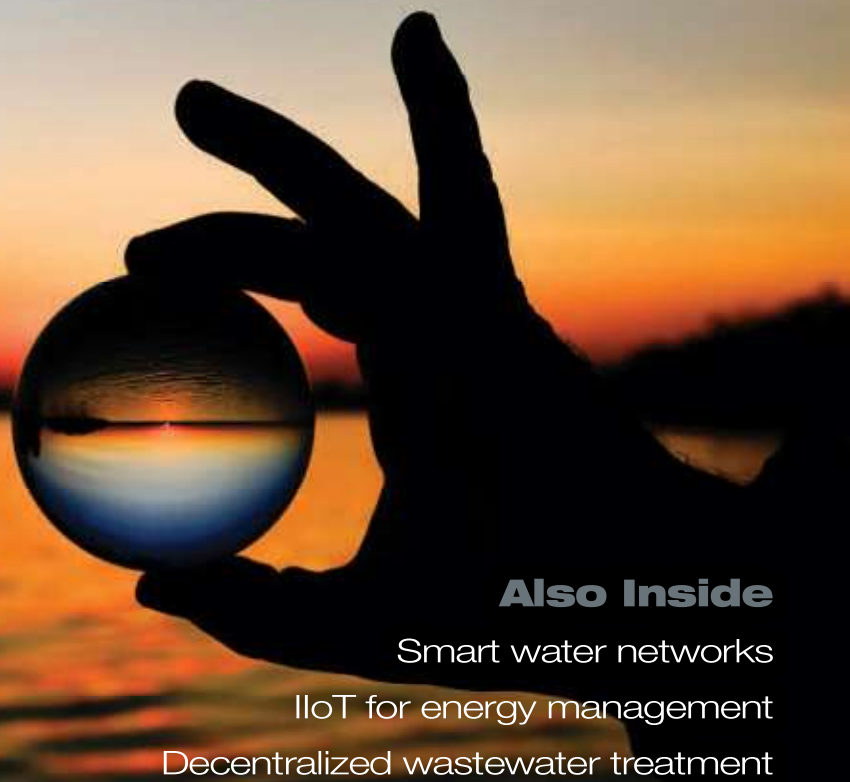


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The Changing Water Landscape

Top 9 water and wastewater trends to watch in 2019



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Maximum Protection of Concrete in Severe Sewage Conditions

Xyplex Bio-San C500 is a unique way of protecting concrete in harsh sewage conditions with high levels of hydrogen sulfide that cause microbial-induced corrosion (MIC). No other admixture combines potent antimicrobial properties with Xypex crystalline waterproofing technology for complete protection of concrete sewer and wastewater structures.

Xypex Bio-San C500 contains mineral solids that remain permanently fixed within the concrete throughout the life of the sewage structure. These kill acid-generating microbes such as *Thiobacillus* that proliferate in high H_2S conditions, thus preventing MIC. Combined with Xypex's proven crystalline technology, Bio-San C500 will protect concrete from infiltration and exfiltration as well as resist acid and sulphate attack. After placement and curing, the crack-healing properties of Xypex will continue to function throughout the service life of the concrete.

Bio-San C500 is added at the time of concrete batching, avoiding the potential quality issues of liners or coatings and eliminating schedule delays for surface preparation. As a one-component product, Bio-San C500 simplifies the production process for precast structures.

Bio-San C500 is successful when used in sewage systems, especially in areas where H_2S gas is likely to accumulate. This includes sewer lines with long retention times (flat,

Xypex crystalline waterproofing technology offers complete protection of concrete sewer and wastewater structures.

long, low flow) and sealed or unvented manholes. It also includes areas of high turbulence such as lift stations, drop structures, force main outflows and headworks as well as various areas within wastewater treatment plants. **WW**

For more than forty years, the crystalline technology of Xypex Chemical Corporation has been serving concrete users around the world. To learn more, visit www.xypex.com.

Circle No. 249 on Reader Service Card

Concrete Waterproofing by Crystallization

**NO
EQUAL**



Xypex Crystalline Technology waterproofs and protects concrete in water and wastewater facilities from harsh chemical attack. For new and rehabilitated structures, Xypex Crystalline Technology is an effective and permanent solution, significantly extending the service life of concrete.



Concrete
(Untreated)



Xypex Crystallization
(Initiated)



Xypex Crystallization
(Mature)

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