



# BUILDING & CONSTRUCTION DIVISION



## NEW PPI TN-67 on Chlorine Dioxide (ClO<sub>2</sub>)

PPI's Building & Construction Division has released a new **Technical Note** that provides guidance about the compatibility of plastic piping materials with **chlorine dioxide** for plumbing systems.

While chlorine dioxide is used rarely as a secondary (i.e., residual) water disinfectant in public potable water systems, in certain types of large facilities such as hospitals, nursing homes, hotels, and apartment buildings, chlorine dioxide (ClO<sub>2</sub>) is sometimes added to plumbing distribution systems to treat or control outbreaks of bacteria such as *Legionella* which can occur in these systems.

### ***PPI TN-67 Chlorine Dioxide and Plastic Hot - And Cold - Water Plumbing Distribution Pipes***

focuses on the application of chlorine dioxide within buildings and its potential effects on plastic hot- and cold-water plumbing distribution pipe materials CPVC, PEX, PE-RT, PP-R and PP-RCT.

Based on the data that has been analyzed by The Plastics Pipe Institute regarding the effects of chlorine dioxide on piping materials in hot- and cold-water plumbing systems, PPI recommends caution when considering the use of chlorine dioxide as a chemical disinfectant to treat water for the control of *Legionella* or other pathogens.

PPI recommends contacting each piping system supplier for guidance related to the use of their pipe and fitting material(s) in circumstances where chlorine dioxide has been selected as the disinfection chemical.

Access the full content of **PPI TN-67** at [PPI TN-67 \(plasticpipe.org\)](https://www.plasticpipe.org)

[www.plasticpipe.org/buildingconstruction](https://www.plasticpipe.org/buildingconstruction)

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