



CuraFlo Epoxy Does Not Expose Water to Bisphenol-A (BPA)

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Media coverage surrounding bisphenol-A (BPA) found in both baby bottles and water bottles has been widespread. This has understandably raised concerns and confusion in the general public about all polycarbonates which come into contact with food or water. With regard to epoxy, the following information is intended to provide clarity and eliminate any concerns.

Recent certification testing by NSF found NO DETECTIBLE BPA from CuraFlo epoxy products. Unlike polycarbonate bottles, epoxies used as a barrier coating in potable (drinking) water pipes must pass rigorous testing to ensure they are safe to come into contact with potable water. Specifically:

- All epoxies used in potable water pipes, including CuraFlo's CuraPoxy[®], must meet ANSI/NSF Standard 61, which sets allowable limits for a broad range of chemicals, including BPA.
- CuraPoxy is certified to meet ANSI/NSF Standard 61 and has NEVER exceeded the allowable limits of BPA.

Unlike polycarbonate bottles, CuraPoxy CANNOT degrade to produce BPA contamination.

Despite suggestions to the contrary in some media accounts, epoxy products and polycarbonate products have vastly different chemical compositions. The chemical bonds in polycarbonates are very different from those in epoxy resins. While bisphenol-A is a 'base' chemical used to manufacture both polycarbonates and epoxies, a polycarbonate plastic, under the right conditions, can degrade to produce BPA that can end up in liquids contained in polycarbonate bottles. In contrast, CuraPoxy *will not* revert back to BPA.

CuraFlo always takes extra precautions to ensure the safety of your CuraPoxy installation by:

- Using the purest grades of raw materials.
- Having specific limits on the level of allowable contaminants in our raw materials. These CuraFlo specific standards must be met for a supplier to be qualified as a CuraFlo supplier.
- Using a patent-pending purification process on its raw materials.
- Making all of its own epoxies in a manufacturing facility certified to comply with ISO 9001:2008 – the international standard for quality management.
- Having chemists and chemical engineers on staff with over 50 years of experience in epoxies.

In addition, CuraFlo takes extra steps to minimize the possibility of unintended chemicals being introduced during the manufacturing process. In addition, CuraFlo:

- Designed and produced proprietary computer controlled epoxy mixing equipment to take the guesswork and uncertainty out of the mixing of CuraPoxy at the job site, and to ensure our field results match lab results as precisely as possible.
- Maintains the highest technical training and certification standards to ensure a safe and trouble free installation and product lifespan.

ANSI/NSF Standard 61 certifications contain specific installation and process conditions to ensure compliance with the standard. For example, ANSI/NSF Standard 61 specifies the conditions detailing how CuraPoxy must be cured and flushed with water before being put into service. Additionally, though a recent scientific paper jointly authored by NSF International and the California Department of Toxic Substances reported that BPA concentration is NOT increased by long exposure times or high temperatures, the flushing process (specified in every epoxy's certification) adds an extra safeguard –

since, as the study also reports, any trace of BPA that might be present in an epoxy coating is immediately washed away after flushing with water.

Every pipe lining epoxy on the market has its own installation and process conditions specified in its ANSI/NSF Standard 61 certification. Customers and consumers need to be aware that these conditions exist, and that they need to verify that the epoxy lining contractors are complying with the application conditions for the specific epoxy being applied. If the conditions are not followed, despite the ANSI/NSF Standard 61 certification, the installation MAY NOT match the safety levels shown in their lab testing. CuraFlo professionals ALWAYS ensure that they properly install, cure, and flush according to the procedures outlined in the proprietary CuraFlo Engineered Flow Lining System[®] technical manual, ensuring that CuraPoxy will NOT expose customers and consumers to BPA.

This information is intended to help provide clarity and eliminate concerns customers and consumers may have. For additional information, please contact CuraFlo at 1-888-4CURAFLO or info@curaflo.com.