



NSF/ANSI/CAN 600 (NSF 600) new standards Are you scrambling for NSF-600 approved products?



The new NSF/ANSI/CAN 600 (NSF 600) standard took effect on January 1, 2023. NSF 600 dramatically reduced the allowable extractable levels of xylene, ethylbenzene, and toluene in coating and lining formulations when in contact with potable water. These new, stricter requirements mean that many well-known products in the market will no longer be available for use on tanks, piping, valves, and fittings for potable water. And after several years of industry talk, speculation, and unease about how this will impact future projects in the market, we now have a clearer picture of what to expect.

So how will NSF 600 truly impact water coating and lining projects from a specification, application, cost, and performance standpoint? Here is a common myth about NSF 600 that we now have some facts on:

MYTH: NSF 600 replaces NSF/ANSI/CAN 61 (NSF 61) for coatings in contact with potable water.

FACT: NSF 600 is a companion standard to the existing NSF 61 that includes more stringent, codified language regarding the reduction of the maximum contaminant levels (MCL) of commonly used solvents used in coating formulations, such as xylene, ethylbenzene, and toluene.

Read more about the NSF-600 Standards:

www.usigroups.com/industry-news/nsf-600-and-what-it-means-to-the-coatings-industry/

Unconventional Solutions would like to introduce to you NSF-600 approved products:

DuraShield 110™ and 210™

DuraShield™ coatings provide an excellent barrier of protection for ferrous and non-ferrous metals and other substrates. DuraShield™ completes the corrosion protection offering by providing flexibility in application characteristics to suit the individual applicators experience and facility set-up. **The DuraShield™ 110 and 210 (Plural spray component needed)** are bred out of the same resin formulation and offer a choice for the applicator. Whether the **DuraShield™ 110 or 210** is the better fit, you can rest assured that the industry leading physical characteristics and corrosion protection are delivered through the same backbone chemistry; proven performance.

DuraShield™ 310

DuraShield 310 (brushable) is a USDA Certified BioPreferred Product with 64% biobased raw materials. It has also been approved by the USDA for incidental food contact and the FDA for dry bulk storage. And with no volatile organic compounds (VOCs) or solvents, application is free from toxic fumes and environmental dangers. Breathe easy whether you spray, brush, or trowel on **DuraShield 310**.



Table 1: Summary of pass/fail criteria updates for toluene, ethylbenzene and total xylenes under NSF/ANSI/CAN 61.

◦ Compound	◦ Previous TAC (µg/L)	◦ Previous SPAC (µg/L)	◦ Updated TAC (µg/L)	◦ Updated SPAC (µg/L)
◦ Toluene	◦ 1,000	◦ 100	◦ 60	◦ 6
◦ Ethylbenzene	◦ 700	◦ 70	◦ 140	◦ 14
◦ Xylenes (Total)	◦ 10,000	◦ 100	◦ 90	◦ 9

USI Dates to Remember

June 9

USI Dayton-Cincinnati Golf Outing (Miamisburg, OH)

June 16

USI Wixom, MI Golf Outing (Milford, MI)

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PRODUCT HIGHLIGHT



DuraShield™ 310

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Applicators also love DuraShield 310's ease of use. Long recoat windows, high build capabilities, quick cure times, and easy rework solutions set DuraShield 310 apart from competing products.

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- NSF-600 approved
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- Abrasion & impact resistant
- Great chemical resistance
- Virtually unlimited build capabilities—20 mils up to inches
- Easy to achieve excellent coverage
- Quick cure times minimize time out of service
- Field-friendly application
- Quick, inexpensive maintenance

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<https://www.usigroups.com/product/lifelastr-durashield-310>



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