TNEMEC

INNOVATION IN EVERY COAT.™

HYDROFLON®

PREMIER FLUOROPOLYMER TOPCOATS

FOR A LASTING IMPRESSION, COAT WITH BRILLIANCE

For a brilliant water tank to remain brilliant, it needs the highest level of protection. Whether a tank displays a city name, a high school mascot, or a simple design, it should last for the long haul. Since its introduction in 2001, HydroFlon has been the proven choice for top level protection against corrosion, UV, and other damaging elements.

An advanced fluoropolymer topcoat, HydroFlon provides long-term protection that retains gloss, color, and beauty. Water tanks remain a source of community pride and identification for years when coated with HydroFlon.

HydroFlon, like all of Tnemec's products, is backed by unrivaled support. Tnemec coating consultants have the experience and knowledge to assist customers with customized system recommendations that ensure the best long-term results. And, they are supported by some of the most knowledgeable technical service representatives in the industry.

below: 2017 Tank of the Year – Destin, FL
cover: 2019 Tank of the Year – Wamego, KS

HYDROFLON BENEFITS

- Unrivaled color and gloss retention
- Excellent protection and durability
- Easy application – brush, roll, or spray
- High solids and excellent coverage rates
- Easy to touch-up and repair
- Available in virtually any color
- Readily available and manufactured within standard lead time
- Low VOC formulations available

HYDROFLON PRODUCTS

Series 700 HydroFlon
Gloss Finish

Series 701 HydroFlon
Semi-Gloss Finish

Series V700 HydroFlon
Low VOC, Gloss Finish

Series V701 HydroFlon
Low VOC, Semi-Gloss Finish

DURABILITY PROVEN FOR DECADES

Specified for proven durability, multiple color options, and ease of application, HydroFlon has a life expectancy that surpasses that of other high-performance topcoats.

It also conforms to AWWA Outside Coating System No. 4 (OCS-4) and exceeds the stringent weathering requirements of the standard AAMA 2605.

HydroFlon is available in a low-VOC formulation that is compliant with air pollution regulations throughout the U.S. and Canada.

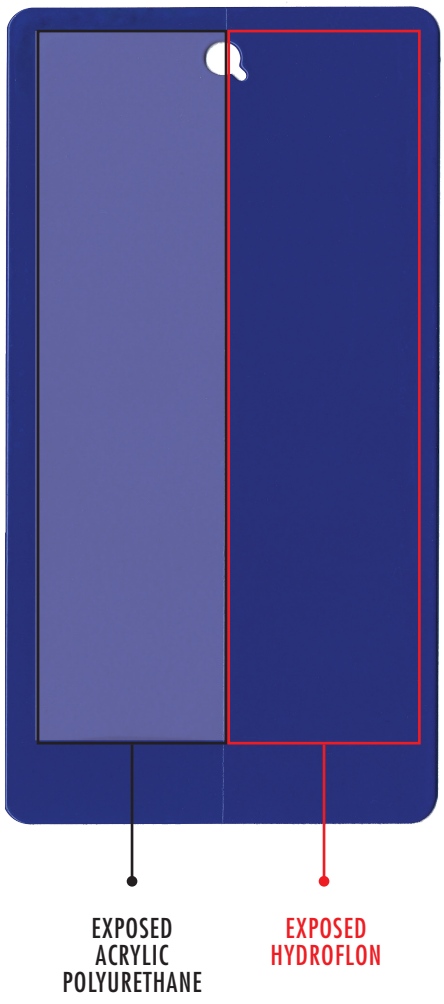
WATER STORAGE TANK
Joplin, Missouri

In 2003, the city of Joplin utilized Series 700 HydroFlon for the exterior of its new one-million-gallon hydropillar. A tank inspection in 2021 at the coating's 18-year mark revealed an expected service life of an additional 7 to 10 years, providing the owner with the lowest life-cycle cost and most sustainable coating system available.

PERFORMANCE MATTERS

Using only high-quality binders, resins, pigments, and additives, Tnemec products are formulated to perform both in accelerated testing protocols and in the field. Our company tests and retests every product – following industry-recognized standards – to qualify each coating's ability to resist ultra-violet (UV) light, abrasion, and other causes of coating degradation.

RIGHT This panel demonstrates the difference in aesthetic topcoat performance between an acrylic polyurethane (left side) and Tnemec's HydroFlon (right side) after 10,000 hours of QUV testing.



top left: Lincoln, NE
top right: 2021 Tank of the Year – Moorhead, MN
opposite page: 2023 Tank of the Year – Bryan, OH

FIGURE 1: COLOR CHANGE (WHITE)

QUV Exposure (ASTM D4587)

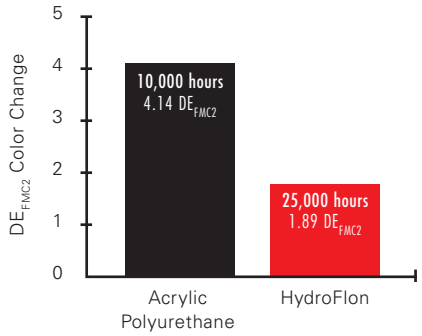


FIGURE 2: GLOSS RETENTION (WHITE)

QUV Exposure (ASTM D4587)

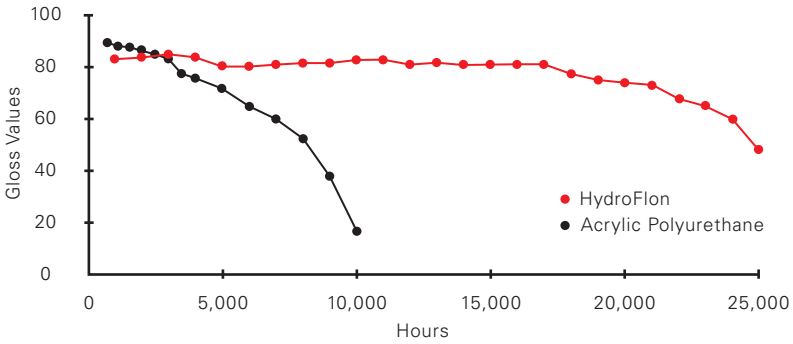


FIGURE 3: COLOR CHANGE (WHITE)

EMMAQUA Exterior Exposure (ASTM D4141)

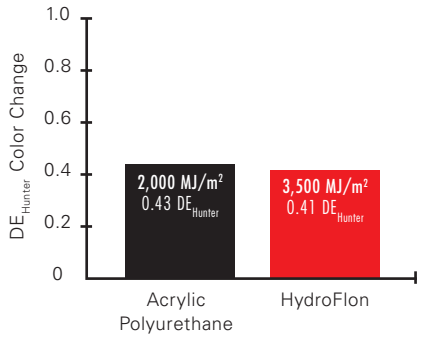
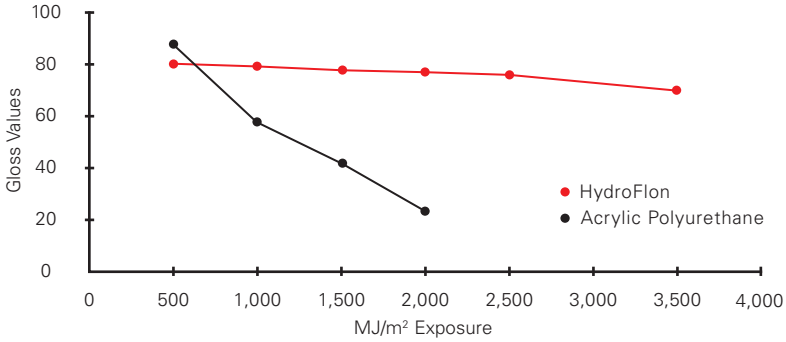


FIGURE 4: GLOSS RETENTION (WHITE)

EMMAQUA Exterior Exposure (ASTM D4141)



HYDROFLON VERSUS ACRYLIC POLYURETHANE **Figure 1** As illustrated on this graph, HydroFlon showed far less color change after accelerated QUV exposure at 25,000 hours than a standard acrylic polyurethane measured after only 10,000 hours. **Figure 2** This graph demonstrates that the gloss retention readings after 5,000 hours of QUV testing on a standard polyurethane showed a dramatic drop while, in comparison, HydroFlon showed no sign of a significant decrease until after 20,000 hours. **Figure 3** After testing for color change at 3,500 MJ/m² in accelerated EMMAQUA testing, HydroFlon showed slightly less change than a standard acrylic polyurethane after 2,000 MJ/m². **Figure 4** As demonstrated in this graph, the gloss retention of a standard acrylic polyurethane began to decrease greatly after 500 MJ/m² of EMMAQUA testing, while HydroFlon holds steady until 3,500 MJ/m² where it only begins to decrease slightly.

TANK OF THE YEAR

Each year, Tnemec names a "Tank of the Year" to recognize and celebrate aesthetic, creative and innovative uses of Tnemec coatings on water storage tanks, most of which are coated with HydroFlon. New construction and renovation projects may be nominated and all tank styles are eligible for entry. Creative project teams are thinking about water tanks in a new way, and the chosen winners demonstrate the durability and beauty of Tnemec coatings. To nominate a water tank, contact your local Tnemec representative or visit **tnemec.com/tankoftheyear**.

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LOOKING FOR MORE INFORMATION ABOUT HYDROFLON?

Contact your local Tnemec representative at tnemec.com.

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