

HydroFlon

AI[®]
TNEMEC

FOR A LASTING IMPRESSION

COAT WITH BRILLIANCE





**DARREE FIELDS ELEVATED STORAGE TANK —
DUBLIN, OH**

To comply with Ohio's environmental regulations for VOC content limits and to create what came to be an award-winning tank, the Darree Fields elevated storage tank utilized a low-VOC version of HydroFlon. The tank, which stands near a sports complex and features silhouettes of sports figures, was chosen as Tnemec's 2009 Tank of the Year.

COAT WITH

HYDROFLON

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. For tanks to resist damaging elements and stand protected, Tnemec created HydroFlon. An advanced fluoropolymer topcoat, HydroFlon provides long-term protection that retains gloss, color and beauty. Tanks remain sources of community pride and identification for years when coated with HydroFlon.

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

right: 2013 Tnemec Tank of the Year –
Mt. Vernon, IL



HYDROFLON BENEFITS

- Unsurpassed color and gloss retention
- Excellent protection and durability
- Easy application — brush, roll or spray
- High solids and excellent coverage rates
- Avoids skips in finish common with clear coat applications
- Easy to touch-up and repair
- Available in virtually any color
- Available in gloss and semi-gloss finishes
- Product is readily available and manufactured within standard lead time
- Low-VOC formulations available



right: 2010 Themec Tank of the Year – Newton, KS

DURABILITY PROVEN FOR DECADES

Specified for proven durability, color options and ease of application, HydroFlon has a life expectancy that surpasses traditional polyurethane topcoats. As an added benefit, it can eliminate the need for a clear-coat, saving application time and lowering labor costs compared to the alternative 4-coat system. HydroFlon conforms to AWWA Outside Coating System No. 4 (OCS-4) by exceeding the weathering requirements of AAMA 2604. HydroFlon is also available in a low-VOC formulation that is compliant with air pollution regulations throughout the U.S. and Canada.

FIGURE 1: COLOR CHANGE (WHITE)
QUV Exposure (ASTM D4587)

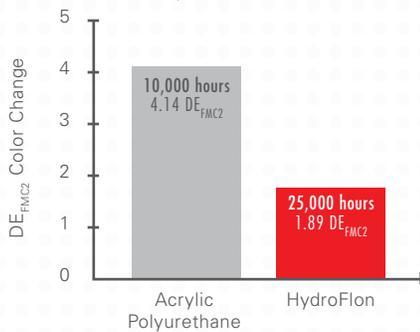


FIGURE 2: GLOSS RETENTION (WHITE)
QUV Exposure (ASTM D4587)

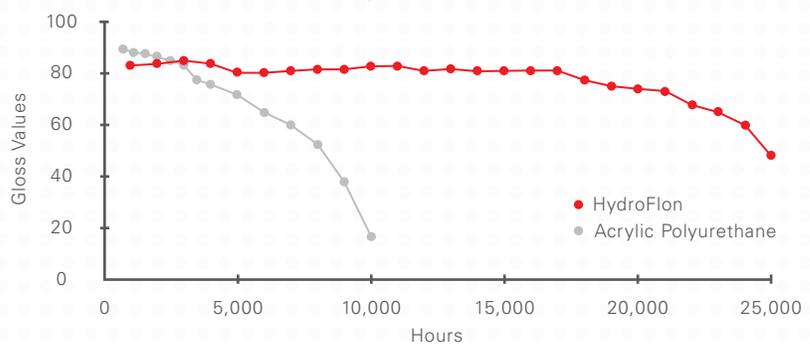


FIGURE 3: COLOR CHANGE (WHITE)
EMMAQUA Exterior Exposure (ASTM D4141)

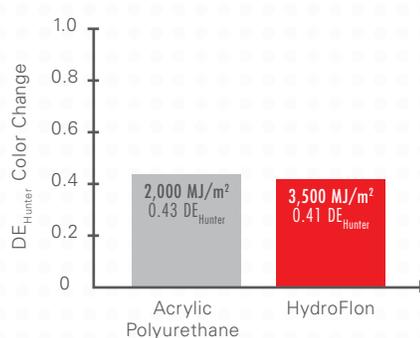
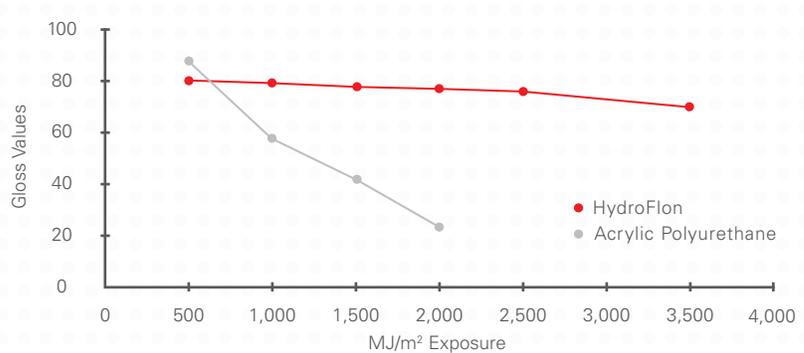


FIGURE 4: GLOSS RETENTION (WHITE)
EMMAQUA Exterior Exposure (ASTM D4141)



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.



KAKELA WATER STORAGE TANK – KAUAI, HI

The Kakela Water Storage Tank on the tropical island of Kauai, Hawaii, continues to serve as an enduring testament for the color and gloss retention of HydroFlon. With more than 10 years of exterior weathering in tropical sunlight, hot weather, humidity and frequent rains, the HydroFlon topcoat remains intact without any visual change in color and gloss.



PROVIDENCE AT PAINTED LAKES WATER TOWER – LAKE VILLA, IL

What started as a routine recoat project for the water tank in the Village of Lake Villa, Illinois, ended up a source of pride for the entire community and the winner of Tnemec's 2008 Tank of the Year award. HydroFlon was used to preserve the high school's eagle mascot that was painted on the tank with funds raised by the booster club. The unprecedented long-term color and gloss retention of HydroFlon will ensure the eagle mascot remains high above the community.

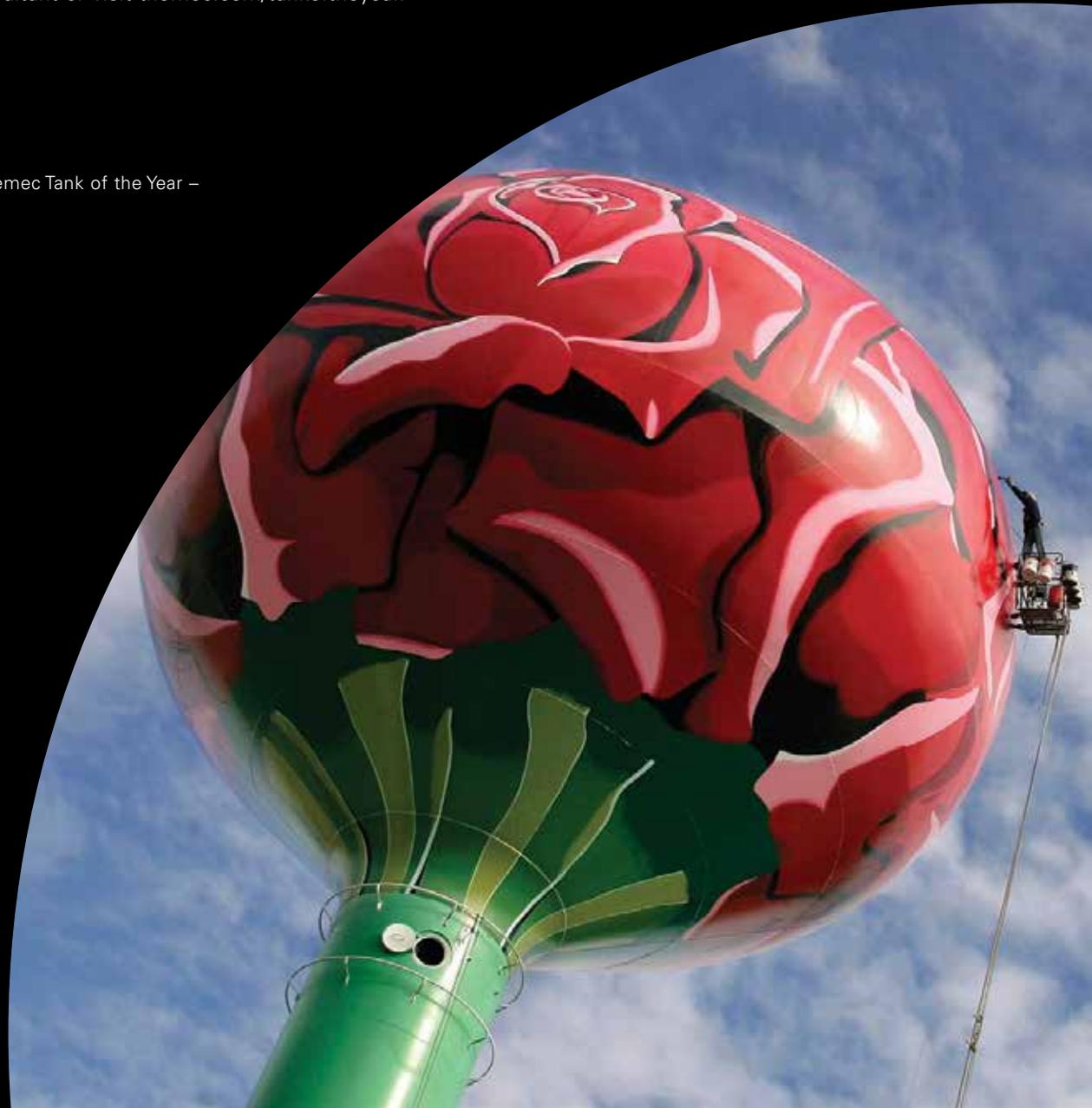


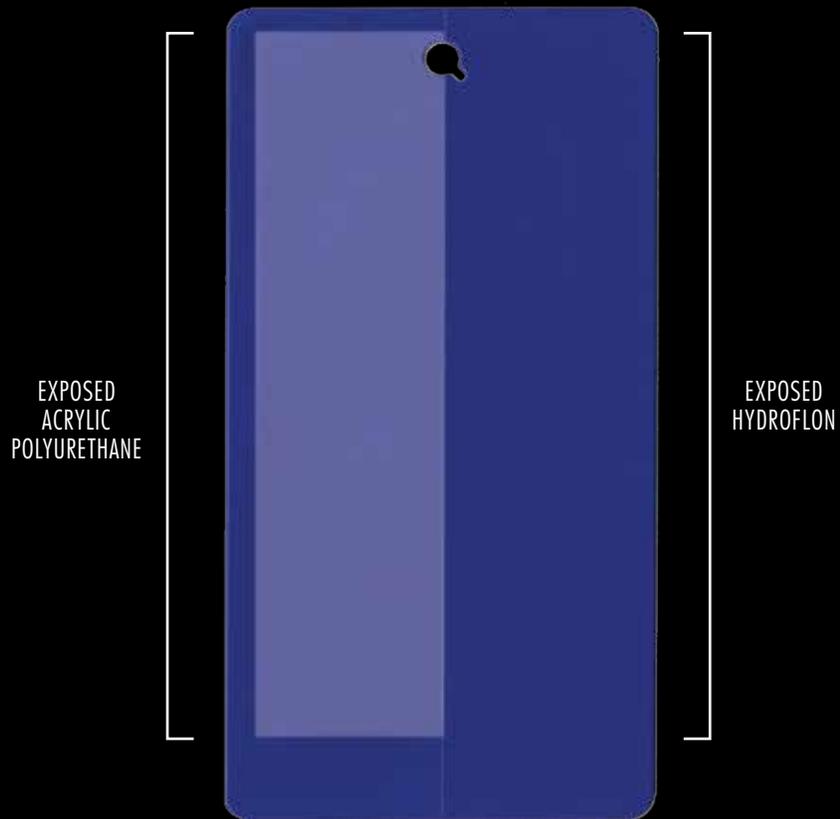
TANK OF

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 coatings consultant or visit tnemec.com/tankoftheyear.

right: 2006 Tnemec Tank of the Year –
Rosemont, IL





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.



INNOVATION IN EVERY COAT™

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