TNEMEC

INNOVATION IN EVERY COAT.™

FLUORONAR®

PREMIER FLUOROPOLYMER TOPCOATS

FOR A LASTING IMPRESSION, COAT WITH BRILLIANCE

With beautification and protection in mind, Tnemec developed **Fluoronar**, a premium fluoropolymer topcoat for unequaled aesthetic stability and long-term protection. Comprised of an advanced fluoropolymer resin and specially selected additives and pigments, Fluoronar ensures color and gloss retention for spectacular architecture. For an impression that can last decades, Fluoronar is specified for its proven durability, color options, and ease of application.

Fluoronar is the most advanced thermoset solution fluoropolymer in the industry. It is the ultimate coating that provides the look architects and building owners desire. For new construction, the rehabilitation of aged buildings or as a finish coat for hard to access areas including curtain walls, roof panels, louvers, doors and window frames, Fluoronar can transform structures. It is the premier coating for high performance architectural and industrial maintenance applications.

Fluoronar, like all of Tnemec's products, is backed by expert 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 backed by some of the most knowledgeable technical service representatives in the industry.

BELOW Fluoronar was used to create a colorful, complex design on the masonry panels of the Plaza 6 building in Crystal City, VA.

FLUORONAR FEATURES AND 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 as well as gloss, semi-gloss, satin, and metallic finishes**
- **Readily available and manufactured within standard lead time**
- **Low VOC formulations available**

FLUORONAR PRODUCTS

Series 1070, 1070V
Gloss Finish

Series 1071, 1071V
Semi-Gloss Finish

Series 1072, 1072V
Satin Finish

Series 1078, 1078V
Metallic Finish

V = Low VOC version.

PREMIUM INGREDIENTS FOR A PREMIER FINISH

As a premier finish, **Fluoronar** contains only the best resins, pigments and additives, which leads to unmatched stability and UV resistance. It also has brilliant color options, making it perfect for architectural accents such as metal awnings, decking, window details and sculptures — as well as general broad surface coverage. Fluoronar offers exceptional long-term value, making it excellent for landmark projects and areas where maintenance painting is expensive and prohibitive. Available in gloss, semi-gloss, and satin, as well as metallic finishes, Fluoronar resists chalking, fading, and weathering for decades.

THE FORUM
Inglewood, CA

TNEMEC TEST OF TIME

In 2013, this National Historic Landmark underwent an exterior coating renovation that utilized Tnemec's Series 1071V Fluoronar fluoropolymer finish. The restoration project not only brought back the iconic red exterior color, it also offered exceptional durability: over a decade later the facade is still shining bright.

HALLIDIE BUILDING
San Fransisco, CA

As part of a full restoration in 2013, Series 1078 Fluoronar Metallic was applied to the ornamental metal facade of one of the world's first glass curtain-wall structures. Chosen for its unmatched ultra-violet (UV) resistance and color and gloss retention in the fog-laden coastal environment, the finish continues to look exceptional over a decade later – proving why Fluoronar is the "gold" standard of topcoats.

RESTORE WITH FLUORONAR

Around the world, architects and building owners are rediscovering the merits of refurbishing aging structures, and Tnemec's Fluoronar is helping them do so. This high-performing, FEVE fluoropolymer helps transform outdated buildings into state-of-the-art spaces with enhanced functionality and aesthetics, all while preserving their unique character.

This trend is evident in school districts, retail centers and office buildings where design life is being increased by decades. Coil-coated panels installed several decades ago are being refurbished with field-applied Fluoronar from Tnemec. Aged structural components of these buildings are also being updated with environmental considerations in mind. Fluoronar infrared-reflective pigments reflect the sun's rays, reducing heat gain and improving building performance. Low-VOC versions of Fluoronar with less than 100 g/L VOC are also being used for refurbishment to meet even the most stringent environmental standards.

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

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. Tnemec's Research and Development team 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.

Fluoronar meets the rigorous weathering standards of AAMA 2605 and SSPC-Paint 47.

FIGURE 1: COLOR CHANGE (WHITE)

QUV Exposure (ASTM D4587)

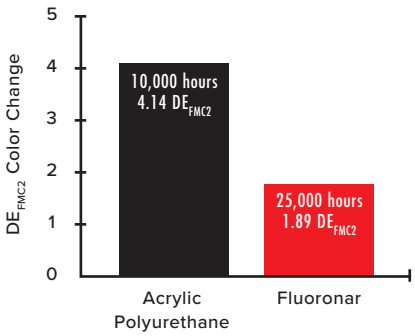


FIGURE 2: GLOSS RETENTION (WHITE)

QUV Exposure (ASTM D4587)

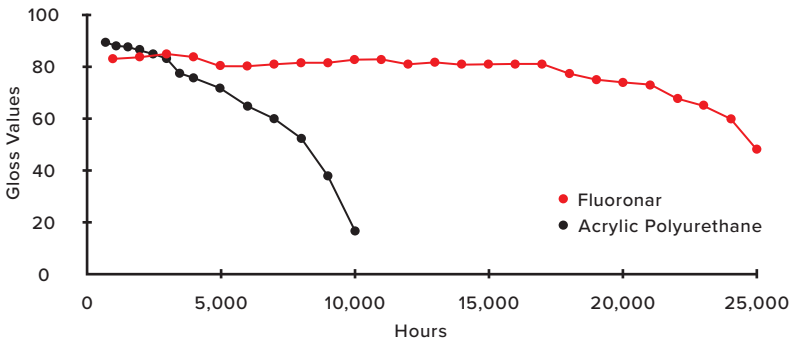


FIGURE 3: COLOR CHANGE (WHITE)

EMMAQUA Exterior Exposure (ASTM D4141)

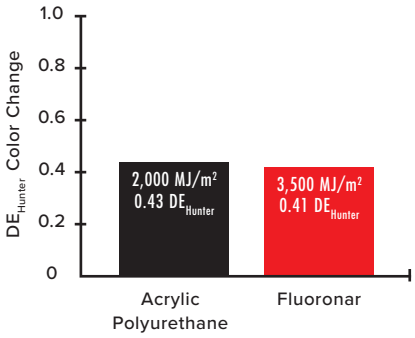
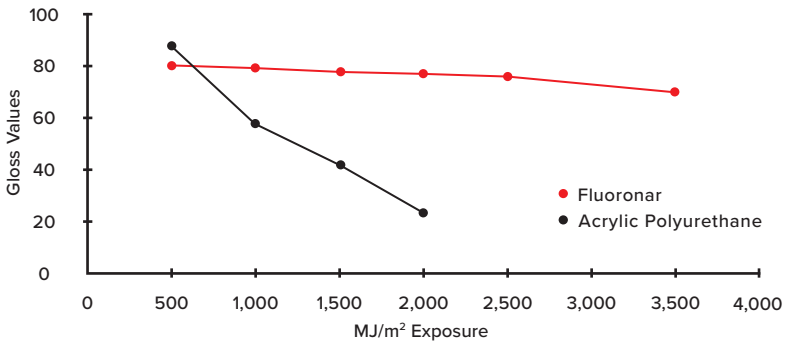


FIGURE 4: GLOSS RETENTION (WHITE)

EMMAQUA Exterior Exposure (ASTM D4141)



FLUORONAR VERSUS ACRYLIC POLYURETHANE **Figure 1** As illustrated on this graph, Fluoronar 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, Fluoronar 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, Fluoronar 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 Fluoronar holds steady until 3,500 MJ/m² where it only begins to decrease slightly.

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LOOKING FOR MORE INFORMATION ABOUT FLUORONAR?

Contact your local Tnemec representative at **tnemec.com**.

TNEMEC · TEST OF TIME ·

COVER In 2015, vibrant Fluoronar-coated steel panels turned a Brighton, MA parking garage into a colorful landmark. Over a decade later, those hues still shine – offering enduring protection against the elements.

Published technical data, instructions and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability and product information, please refer to Tnemec Product Data Sheets at tnemec.com or contact your Tnemec technical representative. © Tnemec Company, Inc. 2025 BROFL PP5001025

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