

FLUORONAR[®]

FOR A LASTING IMPRESSION, COAT WITH BRILLIANCE



COAT WITH FLUORONAR



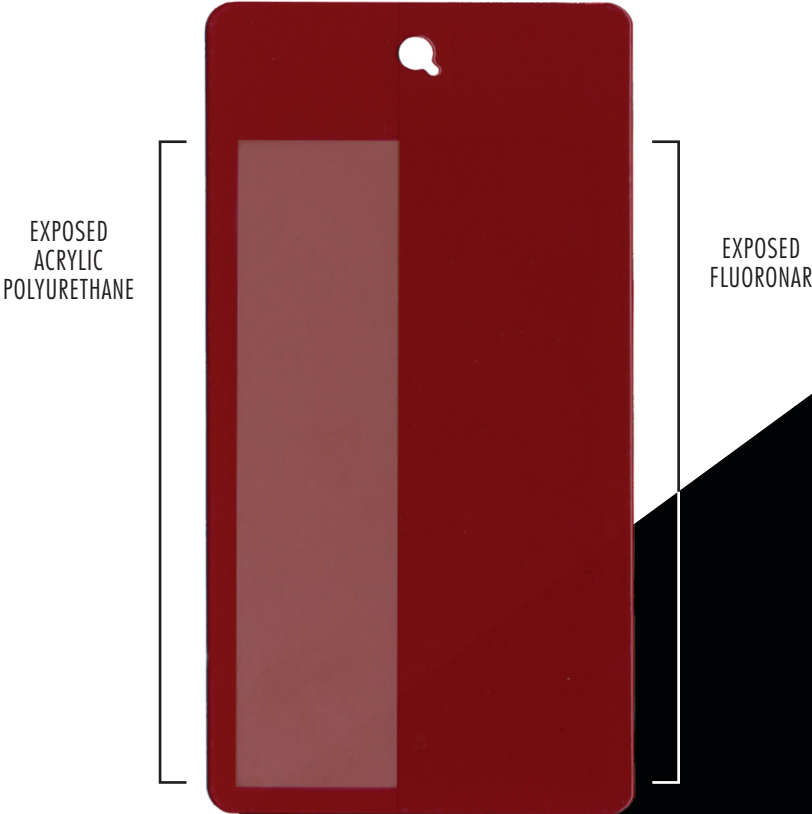
With beautification and protection in mind, Tnemec developed Fluoronar, a premium fluoropolymer topcoat for unequaled aesthetic stability and long-term protection. Comprised of an advanced fluoropolymer resin and specially selected additives and pigments, Fluoronar ensures color and gloss retention for 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 want. 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 unequaled 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.

above: Great American Tower – Cincinnati, OH



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.



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

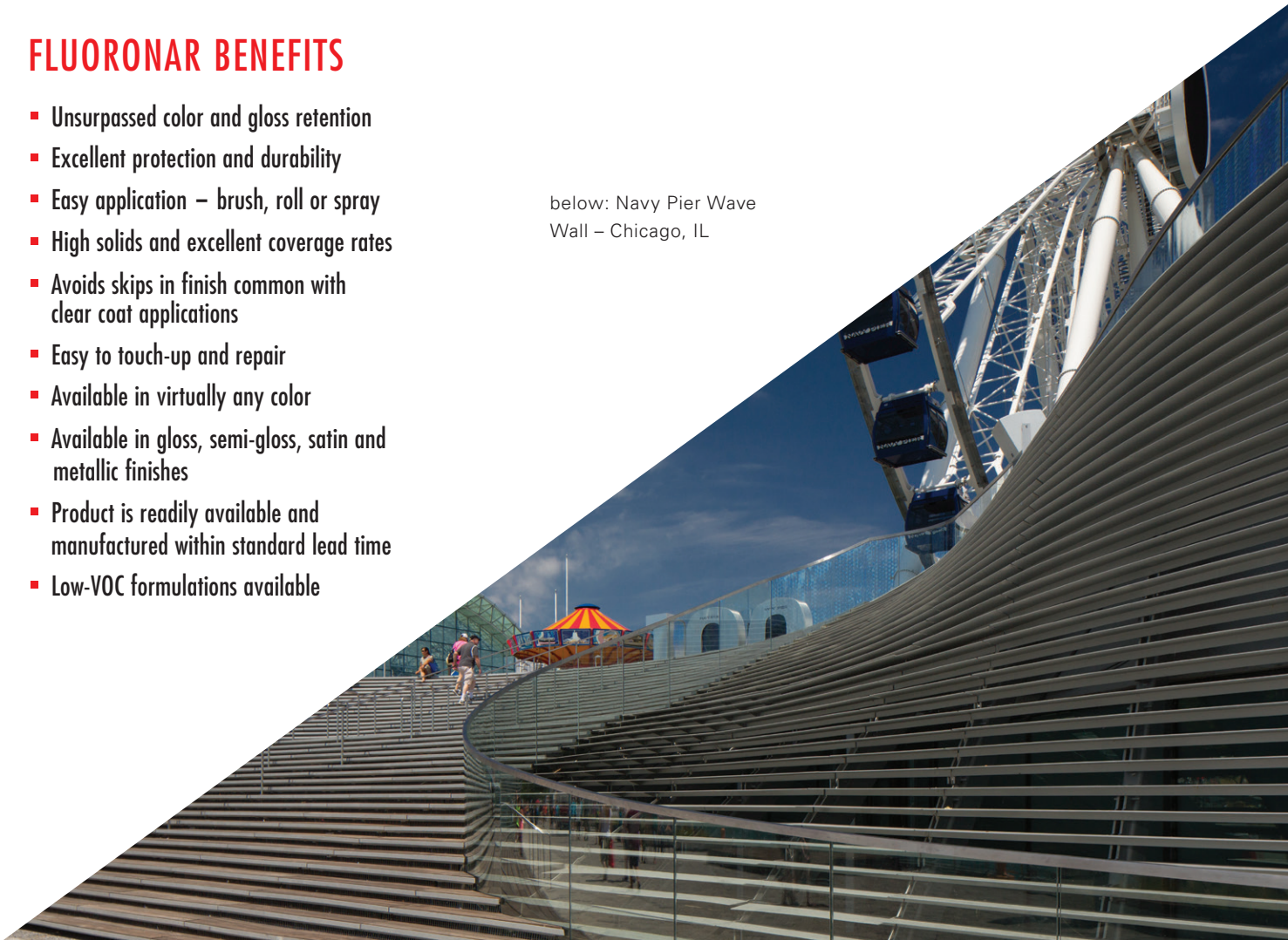
it excellent for landmark projects and areas where maintenance painting is expensive and prohibitive. Available in gloss, semi-gloss, and satin, as well as metallic finishes, Fluoronar resists chalking, fading and weathering for decades.

above: Boulevard Bridge –
Topeka, KS

FLUORONAR 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, semi-gloss, satin and metallic finishes
- Product is readily available and manufactured within standard lead time
- Low-VOC formulations available

below: Navy Pier Wave
Wall – Chicago, IL





left: The Forum – Inglewood, CA

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.

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

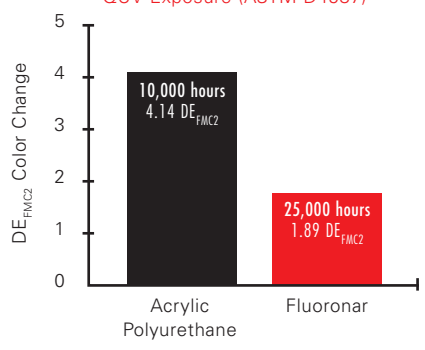


FIGURE 2: GLOSS RETENTION (WHITE)
QUV Exposure (ASTM D4587)

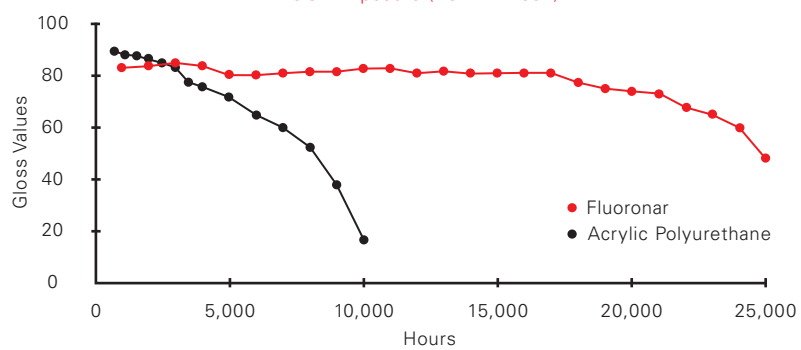


FIGURE 3: COLOR CHANGE (WHITE)
EMMAQUA Exterior Exposure (ASTM D4141)

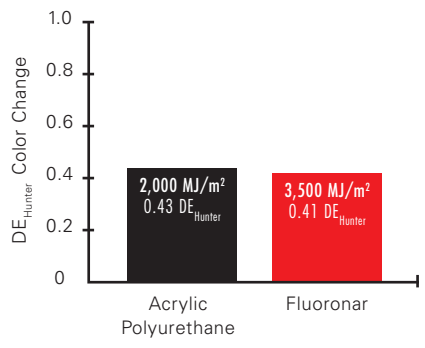
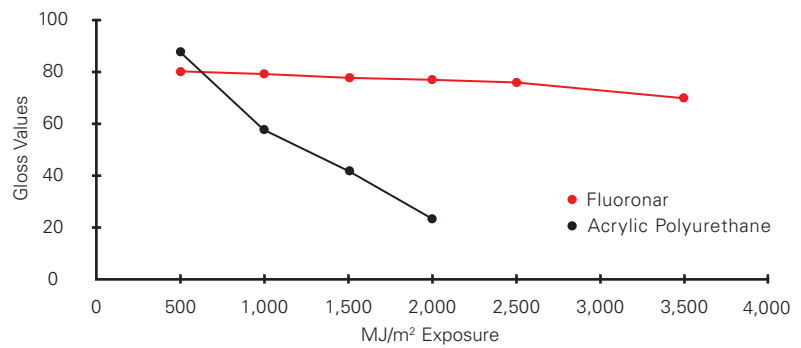


FIGURE 4: GLOSS RETENTION (WHITE)
EMMAQUA Exterior Exposure (ASTM D4141)



VERIZON COMMUNICATION HEADQUARTERS – NEW YORK, NY

Chosen for its extended maintenance cycles, Fluoronar was utilized as the topcoat for the 2004 renovation of the 30-story headquarters building for Verizon Communications in New York City.

Like most high-rise buildings, this structure, which is located in the heart of busy Manhattan, can be difficult and expensive to access for repainting and maintenance. A coating system featuring Fluoronar allows the building to continue to appear clean and fresh, and will keep it from needing a costly repaint for many more years.



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. The high-performing 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 life-expectancy is being increased by decades. Coil-coated panels installed several decades ago are being refurbished with field-applied Fluoronar from Tnemec. Aged structural aspects of these buildings are also

being updated with environmental considerations in mind. Fluoronar can be manufactured using infrared-reflective pigments, which when applied to metal roofing aids in lower energy costs by decreasing heat gain. 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.

right: ZCMI Building –
Salt Lake City, UT



front cover: Exploration Tower –
Cape Canaveral, FL



INNOVATION IN EVERY COAT™

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