

LUMIFLON® Keeps Rosemont's Iconic "Rose" Water Tower from Fading

With its elaborate rose design, the water tower in the Village of Rosemont, Illinois has been a local landmark since it was built in 1982. But keeping the colors radiant and design fresh have been a challenge due to constant exposure to the elements. The tower was repainted in 1990 and 1998, each time using oil-based enamel paint.

When it came time to recoat the tank for a third time, the town and its engineering firm were looking for a better solution – one that would preserve the artwork for decades. Fabricator Tnemec Company, Inc., of Kansas City, Missouri had the answer and selected AGC's LUMIFLON® FEVE resin technology for the exterior coating of the 500,000-gallon steel substrate water tank.

The rose pattern required six different colors, which had to be applied in two different layers, according to Kenneth Brend, who was in charge of the project for Jetco, Ltd. The team had to move around the whole tower once applying half the colors, then it came back around a second time to finish the design. Tnemec explained that Brend duplicated the original rose design by sketching it in pencil directly onto the tower using photographs as a reference. He spent several weeks applying the finish coat, using 9-inch rollers to apply the finish coat wherever there were solid colors, like on the riser, and used 4-inch rollers and dozens of 2.5-inch sash brushes for the detailed work.



LUMIFLON is an ideal finish coating for water towers and other outdoor structures that are continuously exposed to weather conditions. In addition, LUMIFLON's unique polymer structure can absorb high levels of UV energy from the sun without breaking up. Fluorine atoms systematically placed along the polymer backbone help protect pigments, conventional resins and other ingredients in the coating formulation, from degradation.

A transparent fluororesin, LUMIFLON can be used to make both clear and pigmented coatings. Because of their ultra-weatherability, LUMIFLON based coatings offer substantial life cycle cost savings over conventional coatings. The resins can be formulated into coatings with a range of gloss (from high gloss to flat finishes) in more than 230 colors. LUMIFLON resins are available for almost any type of coating, including solvent based resins, powder coating resins, environmentally friendly solid resins for low VOC and HAPS free coatings, and water emulsion and water dispersion resins.



Click here for more information about LUMIFLON FEVE Resins.

About AGC Chemicals Americas Inc.

AGC Chemicals Americas Inc. is a wholly owned subsidiary of Asahi Glass Company Ltd., a \$13 billion multinational corporation and one of the world's largest manufacturers of glass, electronic displays and chemical products. The company was formed in 2004 through the merging of sister companies Asahi Glass Fluoropolymers USA and AGA Chemicals.

Headquartered in Exton, Pa., AGC Chemicals Americas maintains manufacturing operations in nearby Thorndale, Pa., and warehouses located throughout North America.

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