

Kynar Aquatec™

WATER-BASED PVDF FIELD APPLICATION CASE STUDY



PROJECT PROFILE – JOBING.COM ARENA, GLENDALE, ARIZONA

“This is the largest sign we have ever made” said Andy Salcido of bluemedia, the firm hired to create the enormous sponsorship advertisement on the roof of the Glendale Arena. The layout is 290 feet wide by 120 feet tall, with the largest letter being the “J” in Jobing.com. It measures 45 feet tall by 35 feet wide. The next largest letter is the “A” in Arena, which measures 32 feet tall by 37 feet wide.

The conditions and requirements for this project made it necessary to select a color stable finish that was capable of withstanding the harsh Arizona sun and compatible with the existing roof substrate. KYMAX™, a Kynar Aquatec™ emulsion-based coating, was selected based on its physical performance properties. Kynar Aquatec™ emulsion-based coatings are recognized as excellent long-lasting, color stable coatings. The logo was first laid out using Roof Mate™ basecoat, which provides a highly cohesive bond to both the base substrate and the KYMAX™ topcoat. The design layout was then approved from aerial photos. KYMAX™ was tinted using the highest quality, UV stable pigments available and then carefully applied according to factory specifications. With proper maintenance, the logo will last well beyond its 10 year warranty.

EXTREME WEATHERABILITY

Outdoor exposure will break down almost all coatings causing them to chalk, fade, and discolor. Kynar 500 based coatings are known for excellent performance under severe conditions. Similarly, coatings based on Kynar Aquatec™ emulsions will withstand extended exposure to water, humidity, temperature extremes, ultraviolet rays, oxygen, and atmospheric pollutants. These coatings retain color and gloss like no other conventional water-based coating.

Project:

Jobing.com Arena
Glendale, AR

Coating:

KYMAX™

Coating Supplier:

United Coatings
Spokane, WA

*Photographs courtesy of
United Coatings*



Photograph courtesy of United Coatings, Spokane, WA

KYNAR AQUATEC™: A WATER-BASED FLUOROPOLYMER PLATFORM

Kynar Aquatec™ is a new innovative platform of emulsions, which are used by paint formulators to make premium weatherable water-based coatings. Coatings formulated with these emulsions can provide the durability and performance of traditional Kynar 500® based coatings. They can be easily applied to a variety of substrates, including metals, plastics, wood, concrete, textiles, and previously painted surfaces.

Now the extreme weatherability of a Kynar 500® based coating is available in a VOC-compliant, field- or factory-applied, ambient air-dry system. Additional benefits include tremendous resistance to dirt pick-up, outstanding water repellency, and high initial and long-term Total Solar Reflectance and Emissivity.

Contact us around the world.

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103-3222
800-KYNAR-500

Arkema
4-8 Cours Michelet
La Defense 10
F-92091 Paris La Defense Cedex
33-1-49008154

Arkema- India Branch
Office
Pharma Search House, 4th floor
Near Cama Cola Factory
BG Kher Marg
Worli, Mumbai-400 018
0091-22-2490-1743

Arkema Shanghai
Unit 2801-06, Hong Kong Plaza
283 Huai Hai Road (M)
Shanghai 200021, P.R. China
86-21-6386-3028

Arkema K.K.
Fukoku Seimei Bldg 15F
2-2-2 Uchisaiwaicho
Chiyoda-Ku
Tokyo 100-011, Japan
81-3-5251-9665

Arkema Korea Ltd.
11F, Oriental Chemical Building
50, Sogong-dong
Jung-gu, Seoul, 110-718, Korea
82-2-3703-6822

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See MSDS for Health & Safety Considerations
Roof Mate™ and KYMAX™ are trademarks belonging to United Coatings Corporation
Kynar® and Kynar 500® are registered trademarks and Kynar Aquatec™ is a trademark of Arkema Inc.
© 2007 Arkema Inc. All rights reserved.



Arkema Inc.
2000 Market Street
Philadelphia, PA 19103-3222
Tel.: 215-419-7000
www.arkema-inc.com

www.kynaraquatec.com