

Kynar Aquatec® CRX Technical Data sheet

Kynar Aquatec® CRX latex is a hybrid dispersion containing, on polymer solids, 70% (wt.) Kynar® PVDF resin, and 30% (wt.) proprietary acrylic resin with free hydroxyl and acid functionality for 2K coating systems. Kynar Aquatec® CRX latex enhances early coating hardness, solvent resistance, adhesion and scratch resistance in addition to outstanding weatherability. Kynar Aquatec® CRX is produced without any fluorinated surfactants or alkylphenol ethoxylate (APEO).

KYNAR AQUATEC® CRX PROPERTIES HIGHLIGHTS

- Produced without fluorosurfactants
- 2K Crosslinking
- Early coating hardness & blocking resistance
- Solvent resistance
- Scratch & abrasion resistance
- Excellent weatherability & UV stability
- Superior chalk & fade resistance
- Excellent dirt pick-up & mildew resistance



Photo courtesy of APV Engineered Coatings

COMMON APPLICATIONS KYNAR AQUATEC® CRX:

- PVC lineals (Formulated to meet AAMA 615)
- Fiberglass pultrusion & other composite applications
- Protective coatings for chemicals & scratch resistance

TECHNICAL PROPERTIES	VALUE
Appearance	Milky White, Fluid Emulsion
% Solids (by weight)	44
Minimum Film Formation Temperature MFFT (°C)	15
pH	8.0
Wet Density (g/mL)	1.18
Fluoropolymer/Acrylic Resin Ratio	70:30
% VOC (as supplied)	<2
Viscosity (Brookfield 30 s-1)	100
Odor	Mild/Neutral
Stabilization	Anionic
OH equivalent wt., on solids	3178 (%OH = 0.53)
OH equivalent wt., on total wet	7222 (%OH = 0.24)
COOH equivalent wt., on solids	9900 (Acid# = 5.7)
Shelf Life (protect from freezing)	18 mos.

Note: These are typical properties, not specifications

Headquarters: Arkema France

420 rue d'Estienne d'Orves
92705 Colombes Cedex
France
T +33 (0)1 49 00 80 80

Arkema Inc.

900 1st Ave,
King of Prussia, PA 19406,
United States
T +1 610 878 6500

Legal Disclaimer: All information contained herein is believed to be accurate as of the date of publication, is provided "as-is" and is subject to change without notice. This is not a warranty, an agreement, or substitute for expert or professional advice. Arkema Inc. ("Company") expressly disclaims and assumes no liability for the use of the products or reliance on this information. It is the sole responsibility of the user to determine the suitability of any products for user's application(s). NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED (INCLUDING SUITABILITY FOR USE IN ANY MEDICAL DEVICE OR MEDICAL APPLICATION), IS MADE CONCERNING THE PRODUCTS OR THE INFORMATION PROVIDED HEREIN. The information provided relates only to the specific products designated herein and may not be valid where such products are used in combination with other materials or in any process. The performance of the product, its shelf life, and application characteristics depends on many variables, and changes in these variables can impact product performance. You are responsible to test the suitability of any product in advance for any intended use or application and before commercialization. Nothing herein shall be construed as a license for the use of any product in a manner that might infringe any patent and it should not be construed as an inducement to infringe any patent. Please carefully review the Safety Data Sheet for the product. The Company adheres to a strict policy that applies to the use of any of its products in medical device applications. This policy can be found at <https://www.arkema.com/global/en/social-responsibility/innovation-and-sustainable-solutions/responsible-product-management/medical-device-policy/> which is incorporated herein by reference and made a part hereof. Except as expressly authorized, the Company (i) has designated specific medical grade compositions for products used in medical device applications and Company products not so designated are not authorized for use in medical device applications and (ii) strictly prohibits the use of any of its products in medical device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Company does not design, manufacture and/or directly sell any medical devices. The Company does not co-design, or offer assistance to any purchaser of its products, in their design, manufacture and/or sale of products for medical devices. It is the sole responsibility of the manufacturer of medical devices to determine the suitability of all raw material, products and components, including any medical grade products, in order to ensure that the medical device is safe for end-use and complies with all applicable legal and regulatory requirements and to conduct all necessary tests and inspections.

Kynar® is a registered trademark of Arkema.

© 2022 Arkema Inc. All rights reserved

[kynar500.com](https://www.kynar500.com)

The logo for ARKEMA, with the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a light green color.