

Colombes, 1st October -2024

## ARKEMA'S WATERBORNE PVDF RANGE HAS RECEIVED THE "SOLAR IMPULSE EFFICIENT SOLUTION" LABEL, REWARDING ITS HIGH EFFICIENCY IN DURABLE COOL ROOF SOLUTIONS

**Arkema's Kynar Aquatec® PVDF range is recognized for its outstanding durability benefits in cool roof coatings.**

This solution is thereby joining the #1000solutions challenge, an initiative by the Solar Impulse Foundation to select solutions that meet high standards in sustainability and present them to decision-makers to fast-track their implementation.

To receive the "Solar Impulse Efficient Solution" Label, **Arkema's waterborne PVDF range** was thoroughly assessed by a pool of independent experts according to 5 criteria covering the 3 main topics of Feasibility, Environmental and Profitability.

In its decision, the Foundation complimented the highly innovative polymer range for enabling waterborne cool roof and restoration coatings that last 300% to 400% longer than traditional cool roof chemistries and a 90% reduction in lifetime VOC emissions. This results in a cool building that remains cool for substantially longer time periods without the need for regular maintenance or recoating. Arkema also produces waterborne PVDF products for lithium-ion battery binders and separator coatings



All labelled solutions are part of the #1000solutions portfolio that will be presented to decision-makers in business and government by Bertrand Piccard, Chairman of the Solar Impulse Foundation. The aim of this initiative is to encourage the adoption of more ambitious environmental targets and fast-track the implementation of these solutions on a large scale. Earlier this year, Arkema also achieved Solar Impulse label approval for its **advanced bio-circular polyamide 11 range** which includes Rilsan® and Pebax® Rnew® polymers.

### About the "Solar Impulse Efficient Solution" Label

One of the first labels for positive impact businesses bringing together protection of the environment and financial viability, the "Solar Impulse Efficient Solution" Label is attributed following an assessment performed by external independent experts. In collaboration with renowned institutions, solutions applying for the label must go through a neutral methodology based on verified standards. This label serves as an award for clean and profitable solutions. <https://solarimpulse.com/solutions-explorer/kynar-fluoropolymer-emulsions-1>

### About the Solar Impulse Foundation

The Solar Impulse Foundation is dedicated to accelerating the implementation of clean and profitable solutions. Moreover, the Foundation is helping decision-makers in businesses and governments to achieve their environmental targets and adopt more ambitious energy policies, which are necessary to pull these solutions to market. A way to carry the success of the first solar-powered flight around the world further.

### About Arkema's Advanced Waterborne PVDF Emulsions

Arkema is a pioneering innovator in emulsion process PVDF designed for advanced coatings. Its flagship Kynar 500® PVDF is regarded globally as the benchmark for highly durable coatings that enable sustainable cities. The newer Kynar Aquatec® PVDF range builds upon this legacy while offering similar durability in a low VOC, waterborne system

that may be easily formulated into field applied coatings – for cool roofing and many other applications requiring long term maintenance-free performance.

<https://kynaraquatec.arkema.com/en/>

#### **About Arkema coatings solutions**

Arkema Coating Solutions is a leading supplier of high-performance specialty resins and additives, for high solids, waterborne, UV-LED-EB, and polyester powder technologies offering a unique portfolio of more sustainable solutions for fast-growing coating applications, such as new energies, e-mobility, living comfort and building efficiency.

<https://www.arkema.com/global/en/products/product-families/coating-resins/>

Building on its unique set of expertise in materials science, **Arkema** offers a portfolio of first-class technologies to address ever-growing demand for new and sustainable materials. With the ambition to become a pure player in Specialty Materials, the Group is structured into 3 complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 92% of Group sales in 2023, and a well-positioned and competitive Intermediates segment. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around € 9.5 billion in 2023, and operates in some 55 countries with 21,100 employees worldwide.

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