

## Evonik launches particle dispersion portfolio to enhance dot sharpness and resolution of inkjet ink receptive coatings

- New series of AERODISP® dispersions for improved waterborne inkjet ink receptive coatings
- Enabling excellent dot sharpness and resolution, crucial for high-quality digital printing
- Portfolio features both anionic and cationic options to meet various ink and application needs

**Essen, Germany.** Evonik Coating Additives has introduced a range of four new AERODISP® dispersions based on SiO<sub>2</sub> or Al<sub>2</sub>O<sub>3</sub> particles, designed to improve waterborne inkjet ink receptive coatings.

Excellent dot sharpness and high resolution are key supporting the transition from analogue to digital printing, especially for waterborne inkjet inks. In order to achieve high-quality results, it is necessary to control the spreading behavior and fixation of the inks on the substrate.

With the new range of waterborne AERODISP® dispersions, Evonik Coating Additives has developed products to ensure high dot sharpness and fixation of ink droplets on ink receptive coatings, also known as inkjet primers. The AERODISP® dispersions can be incorporated by simple stirring and are compatible with many different binders and formulations.

To meet the needs of different applications, two of these new AERODISP® dispersions are anionic and two are cationic. This allows for optimal interaction and fixation of the ink on the primer.

The anionic grades are particularly recommended for food packaging and decorative applications as they are compatible with non-ionic and anionic binder systems. The cationic grades are compatible with non-ionic and cationic binder systems, making them the first choice for primers for e.g., textile inks.

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Overview of new AERODISP® dispersions:

- AERODISP® WR 8520 – anionic, SiO<sub>2</sub>-based
- AERODISP® W 7520 WF – anionic, SiO<sub>2</sub>-based, excellent food contact status
- AERODISP® WK 7330 – cationic, SiO<sub>2</sub>-based
- AERODISP® W 630 – cationic, Al<sub>2</sub>O<sub>3</sub>-based, for high transparency

“We offer a comprehensive range of wetting agents for waterborne inkjet inks. Working with our customers, we have seen how important the substrate is. Ink receptive coatings, or inkjet primers, can ensure the highest resolution when formulated with our new AERODISP® dispersions,” says Susanne Struck, Global Head of Market Segment Inks at Evonik Coating Additives.

Evonik Coating Additives offers a broad range of products and services for inks, along with a wide selection of additives for waterborne, radiation-curable, and solvent-borne printing inks and inkjet inks.

Learn more about the new AERODISP® products at [www.coating-additives.com](http://www.coating-additives.com).

### **Company information**

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15.2 billion and an operating profit (adjusted EBITDA) of €2.1 billion in 2024. Evonik goes far beyond chemistry to create innovative, profitable, and sustainable solutions for customers. About 32,000 employees work together for a common purpose: We want to improve life today and tomorrow.

### **About Custom Solutions**

The Custom Solutions segment focuses on innovation-driven, tailor-made solutions for customers in specific growth markets. These solutions include additives for coatings, adhesives and sealants, polyurethane foams and lubricants, catalysts, and ingredients for the cosmetics, cleaning and pharmaceutical industries. In 2024, the segment generated sales of €5.7 billion with around 7,000 employees.

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