

VP 4200: New structure modified silica type for Anti-Fouling Coatings to reduce biocide content

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- Less biocide is needed for the same performance
- More controlled release of biocide
- Easy incorporation and low thickening effect

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Evonik introduces a new structure modified silica type from the AEROSIL® product group.

Germany, Essen. VP 4200 is a new structure modified silica type with free OH-groups that enables formulating more ecofriendly, cuprous oxide containing Anti-Fouling coatings.

It is tailor made for both CDP and SPC coatings. (CDP = Controlled Depletion Polymer; SPC = Self-Polishing Coating).

VP 4200 forms a complex with Cu₂O and is thus better able to control the release of the biocide.

Formulations with only 10 pbw% cuprous oxide and 4 -6 pbw% VP 4200 leads to the same performance as the standard type with up to 50 pbw% Cu₂O.

VP 4200 has a relatively low thickening effect, so higher amounts can easily be incorporated into the systems, especially in combination with TEGO® Dispers 1010.

VP 4200 belongs to Evonik's product line of silica-based AEROSIL® types.

You can find regulatory, technical, and safety data sheets at www.coating-additives.com.

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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 €13.1 billion and an operating profit (adjusted EBITDA) of €2.15 billion in 2019. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. More than 32,000 employees work together for a common purpose: We want to improve life today and tomorrow.

About Specialty Additives

The Specialty Additives division combines the businesses of versatile additives and high-performance crosslinkers. They make end products more valuable, more durable, save more energy and simply better. As formulation experts in fast growing markets such as coatings, mobility, infrastructure and consumer goods, Specialty Additives combines small input with a big effect. With its 3,700 employees the division generated sales of around €3.4 billion in 2019.

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