

TEGO® Humectant 7005: New humectant combines effectiveness with low impact on coating properties

- Very low VOC content
- Effective against drying tendency and adhesion / caking
- Low influence on coating properties

Essen, Germany. Evonik is supplementing its portfolio of additives with an effective product for binder-free pigment pastes that has a particularly low VOC content and at the same time shows a low influence on paste properties such as color strength and viscosity. TEGO® Humectant 7005 is effective against drying of pigment concentrates, while its influence on water resistance and other paint properties remains low. This special combination makes the new product, which is available worldwide, particularly suitable for a wide range of applications, such as architectural paints or industrial coatings.

TEGO® Humectant 7005 new on the market

The formulation of paints and coatings is a laborious and complex process in which all components must be carefully coordinated. One of the challenges is the short drying time of binder-free pigment pastes. The addition of a humectant extends this so-called "open time" until drying, but usually affects the coating properties. For example, it reduces the water resistance of the formulation, which is particularly important for industrial coatings.

"Keeping the balance here is an important task during development," says Frank Kleinsteinberg, head of pigment concentrates application technology. "For the formulator, it is important that the humectant maintains the paste properties, such as color strength, stability, compatibility or viscosity, and shows little influence on the coating properties."

Additive with a particularly broad field of application

The Coating Additives business line has now launched TEGO® Humectant 7005, a new humectant for binder-free pigment pastes, which has been proven successful through extensive testing.

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The product also impresses with its low VOC and SVOC content of less than 0.1 percent. This means that it can be used without restriction in formulations that comply with the current VOC regulations in Europe and the USA.

Evonik thus has another humectant in its portfolio alongside TEGO® Humectant 7000, which has proven itself over many years, so that customers can choose which product better suits their formulation.

With its particularly low VOC content combined with its effectiveness and low impact on coating properties, TEGO® Humectant 7005, which is available worldwide, can be used more widely than, for example, the PEG 400 and comparable products frequently used on the market, and makes the formulator's work immensely easier.

Technical, regulatory and safety data sheets for TEGO® Humectant 7005 can be found at www.coatino.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 €12.2 billion and an operating profit (adjusted EBITDA) of €1.91 billion in 2020. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. About 33,000 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 a small amount with a big effect. With its 3,700 employees the division generated sales of €3.23 billion in 2020.

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