

## Wetting And Dispersing Additives For Epoxy Applications

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### Wetting And Dispersing Additives For

Wetting and dispersing additives are amphiphilic compounds, i.e. they are both hydrophilic and lipophilic. Their special molecular structure allows them to enable or facilitate dispersion of pigments and fillers in the solvent. In addition, they should stabilize the dispersion. Wetting and dispersing additives can be classified in different ways.

### Technical Background Wetting and Dispersing Additives

Wetting and dispersing additives Additives for PVC Compounds PVC dry blends and compounds are becoming increasingly popular as a result of their versatility and cost-effectiveness. Individually formulated BYK additives are used especially for highly filled thermoplastic applications where common additives reach their limits.

### Wetting and dispersing additives - BYK

Wetting and dispersing additives have been subject to permanent change and adaptation over the past few decades. The first additives were optimized to disperse inorganic pigments in organic solvents. The next requirement was the wetting and dispersing of organic pigments in organic solvents.

### Wetting and Dispersing Additives | 2016-06-01 | PCI Magazine

The pigment / air interfaces become pigment / liquid interface. To proceed, the liquid needs to wet the pigment surface. Wetting & dispersing additives have an influence on this stage, by modifying the surface tension at the interface they can help and accelerate the pigment wetting.

### Pigment Dispersion: Wetting & Dispersing Agents for Coatings

BYK DISPERBYK-2205 DISPERBYK-2205 Wetting and dispersing additive for solvent-borne and solvent-free liquid coatings, printing inks and inkjet inks to stabilize inorganic and organic pigments.

### DISPERBYK-2205 - BYK

After adsorption of the wetting and dispersing additives, addition of polyelectrolytes (until electro-neutrality is achieved) can quantify charge intensity on the pigment surface. Addition of substances, such as the surfactants found in resins, provide results about the additive's resistance to replacement from the particle surface. Figure 6

### Design of Wetting and Dispersing Additives for Selected ...

Wetting and dispersing additive for solvent-borne matting agent pastes: DISPERBYK-103

### DISPERBYK-103 - BYK

Wetting and dispersing additive for UV-curing solvent-borne and solvent-free coating systems, and conventional solvent-borne coating systems for dispersing and stabilizing untreated and treated silica-based matting agents. Excellent viscosity reduction and improvement in matting properties.

### DISPERBYK-2159 - BYK

WETTING&DISPERDING Additives SWADD-301 \* COMPOSITIONA polycarboxylic acid of an alkylammonium salt\* MAIN APPLICATION It is used as the Wetting and dispersing additive to improve pigment wetting Specially, suitable for dispersing organophilic Bentonites. It is used as the Wetting and dispersing additive to improve pigment wetting Specially, suitable for dispersing organophilic Bentonites.

### Wetting Disperding Additives | tradekorea

Polymeric wetting and dispersing agent for the deflocculation of inorganic and organic pigments in high-quality solvent-based pigment pastes. EFKA PU 4609 Acidic polyester polyamide dispersions agent for solvent based 2k epoxy and PUR topcoat applications. EFKA PX 4310

### EFKA ® formulation additives for non-aqueous systems - BASF

Multifunctional additive with good wetting and dispersing properties for solvent borne and water-based coating systems, biodegradable ANTIGEL 6217 Multifunctional additive with good wetting and dispersing properties for solvent borne and water-based coating systems

### Wetting and Dispersing Additives - schwegmannet.de

Low-molecular weight polymers. Wetting and dispersing additives have been available for a long time now, frequently fatty acid-based with an adhesive group per molecule (anionic, cationic, non-ionogenic) and which can be classified as low-molecular weight polymers. They have a deflocculating effect and have been successfully used to stabilize inorganic pigments and are still being used today.

### Deflocculating wetting and dispersing additives

Wetting and Dispersing Additives. BYK's wetting and dispersing additives result in a fine and homogeneous distribution of solid particles in liquid media and ensure the long-term stability of such systems. The additives stabilize pigments (inorganic, organic and also effect pigments) and fillers. The liquid phase can comprise water and the entire range of organic solvents of varying polarity.

### Wetting and Dispersing Additives - byk.com

In addition, the performance of the wetting and dispersing additive can make a difference from helping to develop gloss and color strength, the dispersing additive also plays a decisive role in stabilizing the paint. Poor coating are attributable to inadequate pigment grinding and thus to the wrong choice of additive.

### Borchers' Wetting and Dispersing Additives

Wetting and dispersing agent for inorganic pigments and fillers in solvent-based, solvent-free and water-based systems. DISPEX Ultra PA 4560 Modified polyacrylate that is pH-independent and has a wide-spread compatibility in most commonly used waterborne decorative coatings. DISPEX Ultra PX 4290

### DISPEX ® dispersing agents - BASF

Wetting and Dispersing Additives Welcome to the interactive world of BYK additives. This multimedia "wetting and dispersing additives" brochure has been designed to support your work, offering interactive graphics fascinating animations and videos to show the chemical processes.

### Why do we use wetting and dispersing additives?

Dispersing additives are needed to stabilize the state achieved after the pigment grinding (fine distribution of the pigment particles in the binder solution) for a long period of time, i.e. to prevent the flocculation of the pigments. Flocculation is caused by the attractive London-van der Waal forces occurring between the particles.

**Dispersing additives - BYK**

TEGO® Dispers 760 W is a non-ionic wetting and dispersing additive with focus on pigment wetting. It shows outstanding color strength development and viscosity reduction when used as co-dispersant. Especially with carbon blacks it provides high pigment loadings, high jetness and long term stability.

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