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## **Wetting And Dispersing Additives For**

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

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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**

Wetting and dispersing additives  
Additives for PVC Plastisols PVC

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plasticizers are used in numerous applications, ranging from floorings and wall coverings, vinyl, printing inks and textile applications to dip coatings, tarps and traffic cones.

## **Wetting and dispersing additives - BYK**

Wetting and dispersing additives are

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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.



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## **Technical Background Wetting and Dispersing Additives**

Wetting and Dispersing Additives.

Product name. Type. Form at 25 0 C.

Description. NUPOL DS 1030 A.

Ammonium polyacrylate. Pale yellow to yellow liquid. Excellent dispersing agent for aqueous coating, specially inorganic

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pigments.

## **Wetting and Dispersing Additives - Nupol Chemicals**

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

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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

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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. » Understand Substrate Wetting Theory Here!

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

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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.

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Figure 6

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

Next. Rhodoline® 4000 Series APE-free wetting and dispersing agents. The Rhodoline® 4000 Series is specifically designed for water-based pigment dispersions and effective in the

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improvement of color acceptance and development of inorganic pigments for Architectural, Industrial and Ink applications. These new wetting and dispersing additives can be used to formulate coatings that are compliant with sustainability protocols.

## **Rhodoline® Specialty Coatings**

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## **Additives - Rhodoline® 4000 ...**

Polymer wetting and dispersing additives: a multitude of anchor groups ensure good adsorption even on less polar pigment surfaces, e.g. in the case of organic pigments. The highly solvated polymer segments, which are also protruding from the pigment surface, cause a steric stabilization of the pigments.



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## **Wetting and Dispersing Additives for Epoxy Applications ...**

Polymeric dispersant for stabilizing inorganic and organic pigments.

Polymeric wetting and dispersing agent for the deflocculation of inorganic and organic pigments in high-quality solvent-based pigment pastes. Acidic polyester

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polamide dispersions agent for solvent based 2k epoxy and PUR topcoat applications.

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

Wetting and Dispersing Additives

Welcome to the interactive world of BYK additives. This multimedia “wetting and

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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?**

In addition, the performance of the

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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. Defects in coating are attributable to inadequate pigment grinding and thus to the wrong choice of additive.

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## **Borchers' Wetting and Dispersing Additives**

Polymer wetting and dispersing additives: a multitude of anchor groups ensure good adsorption even on less polar pigment surfaces, e.g. in the case of organic pigments. The highly solvated polymer segments, which are also protruding from the pigment surface,

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cause a steric stabilization of the pigments.

## **Deflocculating wetting and dispersing additives**

Preventing separation in pigment blends using wetting and dispersing additives (the rubbed area is at the bottom in each case) In non-aqueous systems,

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electrical charges on the pigment surface are usually so weak that they play no major part in stabilizing the pigments against flocculation.

## **Prevention of floating - BYK**

This study discusses different types of wetting and dispersing additives that can be used to stabilize two notoriously

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difficult pigments. PIGMENT AND ADDITIVE INTERACTIONS Pigments are tiny solid particles that have the ability to refract light.

## **WHITE PAPER - Coating Additives**

Pat-Add DA 801 Multi-purpose pigment wetting and dispersing agent, for color pigments, in most industrial systems.



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## **Wetting & Dispersing agents | Welcome to PATCHAM Ltd.**

Additives are frequently added to the coating during the finalization phase. However, this procedure is not suitable for wetting and dispersing additives. As these additives are needed to accelerate pigment wetting and pigment

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dispersion, they must be added to the millbase and ground with it. Only in this way can they be fully effective.

## **Practical hints and suggestions - BYK**

BYK is a leading global supplier of specialty chemicals. Our innovative additives optimize product properties as

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well as production and application  
processes.

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