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### **Wetting And Dispersing Additives For**

Wetting and Dispersing Additives. BYK's wetting and dispersing

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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.

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Wetting and dispersing additives Additives for Epoxy Applications  
PVC Plastics PVC  
plastics 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**

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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

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classified in different  
ways.

**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



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## PDF Wetting And Dispersing Additives For

coating, specially inorganic 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 solvents. The next requirement was

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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

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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**

After adsorption of the wetting and dispersing additives, addition of polyelectrolytes (until

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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 ...**

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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 improvement of color acceptance and development of inorganic pigments for Architectural, Industrial and Ink applications. These new wetting and dispersing additives

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can be used to  
formulate coatings that  
are compliant with  
sustainability  
protocols.

### **Rhodoline® Specialty Coatings 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

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## PDF Wetting And Dispersing Additives For Epoxy Applications

case of organic pigments. The highly solvated polymer segments, which are also protruding from the pigment surface, cause a steric stabilization of the pigments.

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

Polymeric dispersant for stabilizing inorganic and organic pigments.

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

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



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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**

# Download File PDF Wetting And Dispersing **additives?**

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

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additive.

Additives For  
**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

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the pigment surface,  
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, electrical  
charges on the

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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 difficult pigments. PIGMENT AND ADDITIVE

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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.

**Wetting &  
Dispersing agents |  
Welcome to**

# Download File PDF Wetting And Dispersing **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 dispersion, they must be added to the millbase and ground with it. Only in this way

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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 well as  
production and  
application processes.



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