

# BYK-DYNWET 800 N

Silicone-free substrate wetting agent for aqueous coatings, printing inks, adhesives, sealants, and glass fiber sizings. Low foam stabilization. Reduces the dynamic surface tension and is particularly suitable for high-speed machines.

## Product Data

### Composition

Alcohol alkoxylates

### Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (68 °F): 8.12 lbs/US gal

Active substance: 100 %

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Storage and Transportation

Separation or turbidity may occur when stored or transported below 10 °C (68 °F).

## Applications

### Coatings and Printing Inks

#### Special Features and Benefits

The additive reduces the dynamic surface tension, which improves substrate wetting. It is particularly recommended for high-speed applications. When added to the millbase, it reduces the viscosity during pigment grinding, increases gloss, color strength and transparency, and reduces flooding/floating in pigment blends.

#### Recommended Use

Wood and furniture coatings	<input checked="" type="checkbox"/>
Industrial coatings	<input checked="" type="checkbox"/>
Protective coating systems	<input type="checkbox"/>
Printing Inks	<input checked="" type="checkbox"/>
Overprint varnishes	<input checked="" type="checkbox"/>

☒ especially recommended   ☐ recommended

### **Recommended Levels**

0.5-2 % additive (as supplied) based upon the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

### **Incorporation and Processing Instructions**

To improve the substrate wetting, the additive is added to the finished system. To improve the pigment grinding, the additive is added to the millbase. A slight foam build-up may be observed when using BYK-DYNWET 800 N.

## **Adhesives and Sealants**

### **Special Features and Benefits**

BYK-DYNWET 800 N reduces the dynamic surface tension and therefore improves substrate wetting in the case of high-speed application processes.

### **Recommended Use**

The additive can be added to all aqueous adhesives and sealants. It is particularly suitable for casting at high speed, e.g. when producing adhesive tape (PSA).

### **Recommended Levels**

0.2-1.2 % additive (as supplied) based upon the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

### **Incorporation and Processing Instructions**

The additive can be incorporated during any stage of the production process, including post-addition.

## **Glass fiber sizings**

### **Special Features and Benefits**

BYK-DYNWET 800 N reduces the dynamic surface tension of the sizing and therefore improves the wetting of the glass fibers. It is particularly recommended for high-speed applications.

### **Recommended Levels**

0.7-3 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

### **Incorporation and Processing Instructions**

The additive may be added at any time during production while stirring. A slight foam build-up may be observed when using BYK-DYNWET 800 N.

## Detergents, Cleaning and Care Products

### Special Features and Benefits

BYK-DYNWET 800 N is used in waxy self-shine emulsions (matt and gloss) to improve substrate wetting. BYK-DYNWET 800 N does not increase surface slip and is fluorine-free. Using the additive has no negative impact on the next coating application.

### Recommended Levels

0.1 %-1.0 % additive (as supplied) based on the total formulation.

### Incorporation and Processing Instructions

BYK-DYNWET 800 N is preferably added to the finished formulation, however it is possible to use it at any stage of manufacture. Prior to use in systems containing plasticizers, the additive should be diluted using the volatile plasticizer to 10 % active substance.

## BYK-DYNWET 800 N

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Additive Guide



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