

# BYK-SYNERGIST 2100

Pigment synergist for solvent-borne and solvent-free coating systems. Improves the effectiveness of polymeric wetting and dispersing additives when stabilizing phthalocyanine blue and green, organic violet pigments and carbon blacks.

## Product Data

### Composition

Insoluble pigment complex

### Typical Properties

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

Density (20 °C): 1.26 g/ml  
Non-volatile matter: 100 %  
Melting point: > 250 °C  
Moisture content: 1.7 %  
Supplied as: Powder

### 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.

## Applications

### Coatings Industry

#### Special Features and Benefits

The synergist enables high-molecular weight wetting and dispersing additives to be more efficiently adsorbed on the surface of phthalocyanine blue and phthalocyanine green, organic violet pigments and carbon blacks; thereby increasing the effectiveness of the wetting and dispersing additives. Stabilization of the pigments is improved and higher pigment contents are possible as a result of a reduction in the viscosity.

#### Recommended Use

The synergist is always used in combination with high-molecular weight wetting and dispersing additives and is recommended for coatings and pigment concentrates.

### Recommended Levels

Additive dosage as supplied based on pigment:

Phthalocyanine pigments (PB 15, PG 7, PG 36):	3-5 %
Organic violet pigments (e.g. PV 19, PV 23):	3-5 %
Carbon blacks (PBk 7):	3-5 %

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

### Incorporation and Processing Instructions

For optimum performance, the powdered synergist must be incorporated in the millbase together with polymeric wetting and dispersing additives prior to adding the pigments.



Additive Guide



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