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

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.

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