

BYK-SYNERGIST 2102

Pigment synergist for solvent-borne and solvent-free coatings and printing inks. 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 (68 °F):	13.94 lbs/US gal
Non-volatile matter:	10 %
Melting point:	> 482 °F
Moisture content:	2 %
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 for further information.

Applications

Coatings and Printing Inks

Special Features and Benefits

BYK-SYNERGIST 2102 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 greater pigment contents are possible as a result of a reduction in the viscosity.

Recommended Use

BYK-SYNERGIST 2102 is always used in combination with high-molecular weight wetting and dispersing additives and is recommended for printing inks, coatings, and pigment concentrates. It is a polar version of BYK-SYNERGIST 2100 and is particularly suitable for polar systems such as alcoholic cellulose nitrate flexographic inks.

Recommended Levels

Amount of additive (as supplied) based upon pigment:

Phthalocyanine pigments (PB 15, PG 7, PG 36): 1-5 %
Organic violet pigments (e.g. PV 19, PV 23): 1-5 %
Carbon blacks (PBk 7): 1-5 %

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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