BYK-P 104 SG

Controlled flocculating wetting and dispersing additive for solvent-borne, medium-polarity to high-polarity coatings to prevent the flooding/floating of titanium dioxide in combination with colored pigments.

Product data

Composition
Solution of a low molecular weight, unsaturated polycarboxylic acid polymer

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

Density (20 °C):	0.95 g/ml
Non-volatile matter (10 min, 150 °C):	50 %
Solvents:	Xylene/diisobutyl ketone 9/1
Flash point:	28 °C
Acid value:	180 mg KOH/g

Storage and transportation
Separation or turbidity may occur during storage and transportation. Mix well before use.
Warm to 30–60 °C and mix well.

Special note
White spirit-based coating systems or those that are diluted with white spirit have a limited compatibility.
The additive is also available solvent-free under the name BYK-P 105.

Applications

Coatings industry

Special features and benefits
BYK-P 104 SG provides a targeted, controlled flocculation of the pigments. Bridges are built between the individual pigment particles, thereby creating three-dimensional networks. This controlled flocculation of the pigments primarily prevents flooding and floating along with settling and sagging.

BYK-P 104 SG is particularly suited to medium-polarity to high-polarity coating systems to prevent the flooding and floating of titanium dioxide in combination with colored pigments. It has a limited compatibility with white spirit. In many cases, anticorrosive properties are improved when used in protective primers.

Recommended levels

Amount of additive (as supplied) based upon pigment:

Inorganic pigments:	3–10 %
Titanium dioxide:	0.5–2.5 %
Organic pigments:	10–20 %

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

For optimum performance, the additive must be incorporated into the millbase before addition of pigments.

Your local contact

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