BYK-370

Silicone-containing surface additive, polyester-modified, for solvent-borne coating systems and UP gel coats. OH-functional. Strongly reduces surface tension.

Product Data

Composition
Solution of a polyester-modified, hydroxy-functional polydimethylsiloxane.

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

Density (20 °C):	0.92 g/ml
Non-volatile matter (10 min., 150 °C):	25 %
Solvents:	Xylene/Alkylbenzenes/Cyclohexanone/Monophenyl glycol 75/11/7/7
Flash point:	25 °C
OH value (solids):	35 mg KOH/g

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.

Storage and Transportation
Mix well before use. Separation or turbidity may occur at temperatures below 5 °C. Warm to 20 °C and mix well.

Applications

Coatings Industry

Special Features and Benefits
Due to its high surface activity, the additive accumulates on the surface of the coating. Its reactivity allows it to be incorporated into the polymer network and therefore to be anchored in the coating surface. BYK-370 improves surface slip, solvent and weather resistance, anti-blocking and reduces susceptibility to dirt. If the additive is fixed in the coating surface via its reactive groups, these properties remain present longer than with conventional, non-reactive silicones. The additive also reduces surface tension, which improves substrate wetting. It improves leveling and prevents the formation of Bénard cells.

Recommended Use
BYK-370 reacts with the resin via primary OH-groups and is primarily used in solvent-borne two-pack polyurethane systems. It may also react with the following binders: Alkyd/melamine, polyester/melamine, acrylate/melamine, self-crosslinking acrylates, epoxides. It is preferably used in wood and furniture coatings, leather coatings as well as can coatings.