# BYK-P 105

Controlled flocculating wetting and dispersing additive for solvent-borne and solvent-free adhesives as well as ambient-curing resin systems to stabilize fillers. Solvent-free version of BYK-P 104.

## Product Data

**Composition**
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.

Acid value: 365 mg KOH/g
Density (20 °C): 1.05 g/ml

**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.

**Special Note**
White spirit-based coating systems or those that are diluted with white spirit have a limited compatibility.
Due to its high viscosity, BYK-P 105 should be heated prior to processing so that it flows more readily.
The additive is also available under the name BYK-P 104 as a 50 % solution in xylene/diisobutyl ketone.

## Applications

### Adhesives

**Special Features and Benefits**
BYK-P 105 provides a targeted, controlled flocculation of the filler. Bridges are built between the individual filler particles, thereby creating three-dimensional networks. This controlled flocculation primarily prevents settling and sagging. BYK-P 105 is particularly recommended for acrylate adhesives and can also be used in polyurethane adhesives.

**Recommended Levels**
0.5-1.5 % additive (as supplied) based on the filler.

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 additive must be incorporated into the millbase before addition of pigments.

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Data Sheet
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## Ambient Curing Resin Systems

### Special Features and Benefits
BYK-P 105 provides a targeted, controlled flocculation of the filler. Bridges are built between the individual filler particles, thereby creating three-dimensional networks. This controlled flocculation primarily prevents settling and sagging. BYK-P 105 is particularly recommended for acrylate systems.

### Recommended Levels
0.5-1.5 % additive (as supplied) based on the filler.

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 additive should be added before the solids.



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