# BYK-037

VOC-free defoamer on the basis of a mineral oil emulsion for aqueous emulsion paints, plasters and adhesives. Contains silicone.

## Product Data

**Composition**
Emulsion of paraffinic mineral oils and hydrophobic components. Contains silicone.

**VOC-free (< 1500 ppm). Does not contain alkyl phenol ethoxylates**

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

| | |
|---|---|
| Density (68 °F): | 7.80 lbs/US gal |
| Non-volatile matter (10 min., 302 °F): | 53.5 % |
| Carrier: | water |
| VOC content: | < 1500 ppm |

Does not contain alkyl phenol ethoxylates

**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**
Storage and transport between 0 °C and 40 °C.
Temperature-sensitive emulsion. If the recommended storage temperature range is exceeded or not met, the product must be checked and possibly re-emulsified at room temperature.

## Applications

### Coatings Industry

**Special Features and Benefits**
The defoamer is used in all emulsion paints and plasters, especially in PVC ranges between 50 and 85. It features an excellent cost/performance ratio and contains a paint-compatible silicone that reinforces the defoaming effect.

**Recommended use**
The defoamer is particularly recommended for emulsion paints / exterior wall paints and emulsion plasters. It may also be used in the production of emulsion binders.

### Recommended Levels
0.1-0.5 % additive (as supplied) based upon total formulation. In exceptional cases up to 0.8 %.
The dosage levels are indicated for the purpose of orientation. Optimal dosage levels are determined through series of tests.

### Incorporation and Processing Instructions
Generally, 2/3 of the defoamer are added to the millbase and 1/3 is added to the letdown or the finished paint. Sufficient shear forces are necessary for incorporation in order to avoid negative side effects.

## Adhesives

### Special Features and Benefits
The defoamer can be used used in any emulsion adhesive. It features an excellent cost/performance ratio and contains a compatible silicone that reinforces the defoaming effect.

### Recommended use
The defoamer is particularly recommended for emulsion adhesives on the basis of polyacrylates and polyurethanes. It is also very effective in adhesives based on polyvinyl alcohol. It may also be used in the production of emulsion binders.

### Recommended Levels
0.1-0.5 % additive (as supplied) based upon total formulation.
The dosage levels are indicated for the purpose of orientation. Optimal dosage levels are determined through series of tests.

### Incorporation and Processing Instructions
The defoamer should be added to the binder as early as possible. Sufficient shear forces are necessary for incorporation in order to avoid negative side effects.

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