

# BYK-1856

Silicone- and aromatic-free defoamer with excellent defoaming effect and exceptional compatibility for solvent-borne and solvent-free systems.

## Product data

### Composition

Solution of polyacrylates

Silicone-free  
Aromatic-free

### Typical properties

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

Density (20 °C):	0.89 g/ml
Non-volatile matter (10 min, 150 °C):	20 %
Solvents:	Butyl acetate/methoxypropyl acetate
Flash point:	27 °C

### Storage and transportation

To be stored and transported between 0 °C and 50 °C.

## Applications

### Coatings industry

#### Special features and benefits

BYK-1856 is characterized by its excellent defoaming effect in various solvent-borne and solvent-free coating systems as well as its excellent compatibility. It also has a positive effect on the leveling properties. BYK-1856 is also highly suitable for the defoaming of systems with increased film thicknesses.

#### Recommended use

Medium- to high-polar solvent-borne and solvent-free coating systems based on 2-pack epoxy resins and 2-pack PUR resins.

General industrial coatings	■
Wood and furniture coatings	□
Marine and protective coatings	■
Floor coatings	■

■ especially recommended □ recommended

**Recommended levels**

0.05–1 % additive (as supplied) based on the total formulation.

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

**Incorporation and processing instructions**

To achieve optimal defoaming, BYK-1856 should be added to the letdown and incorporated using medium shear forces. Post-addition is also possible. There must be sufficient homogenization.

**Thermosets****Special features and benefits**

BYK-1856 is a universal, highly active air release agent for the most common thermoset systems. The product has very good air release properties in filled casting resins. In filament winding using vinylester resin, BYK-1856 does not create the whitening effect that can often be observed when using standard polymer air release agents. In clear resin systems, the system with additive only tends to cause slight turbidity in the cured composite.

**Recommended use**

Universal air release agent for ambient curing resin systems, especially those based on epoxy resin and acrylic syrups of a low molecular weight. Good results can also be achieved in thixotropic unsaturated polyester and vinylester resins.

**Recommended levels**

0.1–0.5 % additive (as supplied) based on the total formulation.

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

**Incorporation and processing instructions**

Stir in the resin before adding other components.



Your local  
contact

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