

BYK-1748

Silicone-free, 100 % polymeric defoamer based on bio-based raw materials with maximum effectiveness in clear thick layer coatings based on epoxy resin.

Product data

Composition

Blend of vegetable oils and polyolefins

From bio-based raw materials
 VOC-free (< 1500 ppm)
 APEO-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):	100 %
Flash point:	> 100 °C
Bio-based organic carbon content (ASTM D6866):	73 %

Storage and transportation

To be stored and transported at a temperature below 50 °C.

Applications

Coatings industry

Special features and benefits

BYK-1748 is a 100 %, silicone-free polymeric defoamer that is composed of 73 % bio-based raw materials. It is VOC- and APEO-free. BYK-1748 is particularly suitable for use in clear thick layer coatings based on epoxy resin, in which a very high level of transparency is achieved. The additive is characterized by its excellent defoaming effect, without any influence on turbidity and crater tendency. Due to its high amount of active substance, BYK-1748 is effective even at very low dosage levels.

Recommended use

Floor coatings	<input checked="" type="checkbox"/>
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☒ especially recommended ☐ recommended

Recommended levels

0.05–0.5 % 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

BYK-1748 can be incorporated at any time during production. Sufficiently high shear forces must be applied for post-addition.

Special note

Any turbidity that may occur when incorporating the additive in the epoxy resin can be eliminated again by applying longer incorporation times or higher shear forces.



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