

RHEOBYK-7591

Rheology and processing additive for powder coatings.

Product Data

Composition

Castor oil derivative

Typical Properties

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

Particle size: 100 % < 48 µm

Density (20 °C): 1.02 g/ml

Supplied as: White scales

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.

Applications

Powder Coatings

Special Features and Benefits

RHEOBYK-7591 is particularly suitable for use in powder coating systems, and in this segment it is broadly compatible with various binders.

Due to its low melting point of 86 °C, RHEOBYK-7591 improves the flow behavior during the baking process. There is a positive effect on leveling and visual properties such as gloss, DOI and even layers. RHEOBYK-7591 also ensures a better pigment and filler wetting. Its high compatibility and transparency means that RHEOBYK-7591 is also excellent with powder clear coats.

We recommend always using RHEOBYK-7591 in combination with a standard leveling additive in any system.

Recommended Use

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

Recommended Levels

0.8-2.0 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The product is mixed with resin, hardener, pigments and other raw materials in a high-speed mixer and then extruded. Good dispersion of the additive by the extruder promotes gloss and leveling of the powder coating and prevents the formation of craters, fish eyes, and seeds.



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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