

BYK-C 8002

Reactive, polymeric coupling agent to improve mechanical properties in ATH-filled acrylate systems. It also improves the anti-settling properties.

Product Data

Composition

Solution of a reactive copolymer with filler-affinic groups

Typical Properties

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

Density (20 °C): 1.03 g/ml
Refraction index: 1.431
Non-volatile matter (20 min, 105 °C): 30 %

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

To be stored and transported at a temperature below 40 °C.

Applications

Ambient curing resin systems

Special Features and Benefits

BYK-C 8002 increases the mechanical properties such as flexural strength, compressive strength and the E modulus by up to 30 %. The additive also improves the anti-settling properties of the formulation.

It is recommended for acrylate resins (PMMA in MMA), which are filled with amphoteric or basic fillers such as ATH (aluminium trihydroxide). In the tested formulations, the additive showed no negative impact on hot water and weather resistance.

Recommended Levels

0.1-0.5 % additive (as supplied) based upon 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

The additive can be added to the resin at any stage of the production process whilst stirring.



Additive Guide



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