

# VISCOSEAL R

## Product Data

### Special Features and Benefits

Sag and Slump Control Agent

### Recommended Use

VISCOSEAL R is suggested for use in caulking, sealants, vinyl plastisols, and other thick film coatings. VISCOSEAL R provides effective sag and slump control over a wide temperature range, as encountered in such applications as thick film baking, plastisol fusion, etc.

### Suitable Solvents:

VISCOSEAL R is suitable for use in Rule 66 Mineral Spirits, VM&P Naphtha, Hi-Flash Naphtha, Toluene, Xylene, and mixtures of aliphatic and/or aromatic solvents.

### Composition

Castor / Organoclay Complex

### Typical Properties

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

Density: 11.30 lbs./U.S. gal. (1.36 g/cm<sup>3</sup>)  
Particle Size: 95 % <88 µm  
Moisture Content: 1.5 % maximum  
Color/Form: Light Buff Powder

### Incorporation and Processing Instructions

VISCOSEAL R should be added at the beginning of the dispersing process and preferably with high shear mixing equipment. Optimum gel structure and corresponding sag control is obtained when VISCOSEAL R is used in highly polar systems. However, if the intended system is low in polarity, VISCOSEAL R efficiency may be improved by adding approximately 2 % of water (based on the weight of VISCOSEAL R used) to the solvent/binder system.

Sag and slump control is developed through the formation of a gel structure, as a result of an interaction between the VISCOSEAL R and at the liquid portion of the system.

### Recommended Levels

For effective results, VISCOSEAL R is generally used in concentrations of 1-3 %, based on the total formula weight.

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

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**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/additives**

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