

## BYK-P 9909

Processing additive/compatibilizer for polyurethane systems to prevent phase separation of polyol blends in storage tanks. Using this twin amphiphilic polymeric emulsifier saves a work stage at the construction site. It increases process reliability and reduces application time on site.

### Product Data

#### Composition

Solution of an ammonium salt of an acrylic acid copolymer

#### Typical Properties

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

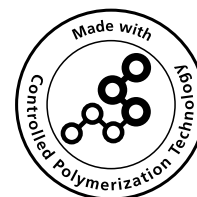
Hydroxyl number:	170 mg KOH/g
Acid value:	37 mg KOH/g
Density (68 °F):	8.68 lbs/US gal
Refractive index (68 °F):	1.477
Flash point:	174 °F

#### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

#### Storage and Transportation

Separation or turbidity may occur at temperatures below 10 °C (50 °F).



### Applications

#### Ambient curing resin systems

#### Special Features and Benefits

BYK-P 9909 promotes the compatibility of polyol blends that have a tendency to phase separate and that are used to produce special polyurethane foams or CASE applications. The additive stabilizes the emulsion and therefore facilitates the handling of polyol blends. The reactive mixture and the final product are more homogenous. The easier and faster handling results in lower processing cost with better process control. The costs for packaging and complaint handling are reduced.

## Recommended Use

Polyester	<input type="checkbox"/>
Polyether	<input checked="" type="checkbox"/>
Hydrophilic glycols	<input checked="" type="checkbox"/>

☒ especially recommended   ☐ recommended

## Recommended Levels

0.2-3 % 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 additive should be incorporated into the polyol before the incompatible components are added.



Additive Guide



**BYK USA Inc.**  
524 South Cherry Street  
P.O. Box 5670  
Wallingford, CT 06492  
USA  
Tel 203 265-2086  
Fax 203 284-9158

[cs.usa@byk.com](mailto:cs.usa@byk.com)  
[www.byk.com/additives](http://www.byk.com/additives)

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. ACTAL®, ADJUST®, ADVITROL®, ASTRABEN®, BENTOLITE®, CLAYTONE®, CLOISITE®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and VISCOSEAL® are registered trademarks of BYK Additives. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAC®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera. SCONA® is a registered trademark of BYK Kometra.

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents. This issue replaces all previous versions – Printed in the USA