



Application Industry: Water-based Adhesive Aqueous Pain System Aqueous latex

Product Name: Antifoam RK-707

RK-707 is mainly made of mineral oil with large expansion coefficient and hydrophobic particles as defoaming active substances, assisted by defoaming synergistic substances. Mineral oil increases the expansion velocity of defoaming particles, and hydrophobic particles reduce the entry energy barrier of defoaming particles. The interaction between the two provides excellent defoaming performance. At the same time, mineral oil has a good affinity with organic matter, so it will not cause surface defects. It is mainly used in the emulsion and latex of water-based coatings, and the adhesive made by the emulsion or latex and waterborne building coatings. The effect is more obvious in the system with higher viscosity. It also can be used in the leather edge oil.

Product property:

High efficiency in adhesive and coating systems

Suitable for waterborne formulation

Good performances in leather edge oil system

Break foam fast and foam control for a long time

Low addition, cost-effective

Main physical and chemical properties:

Item	Index
Appearance	Light yellow opaque liquid
Viscosity (25°C)	1500~8000mPa ·s
Active content	100%
pH	5.5-7.0

Application Process:

Defoamer consists of hydrophobic liquid and hydrophobic particles. It is recommended that the user should fully stir before using, even if the surface is not stratified; long-term storage may be slightly stratified, evenly mixed and used, without affecting the effect.

The additive amount is 0.2-0.6% of coating weight, added 1.0-1.5% at pulping process, added 1.0-1.5% again at paint correction. The optimum addition should be depended on specific situation. Do not dilute. If diluted with water, the antifoaming performance will be destroyed.

Key Applications

Styrene acrylic emulsion, Silicone acrylic emulsion, acrylic emulsion, vinegar butyl acrylate emulsion etc coating system



Waterborne latex (styrene/butadiene, acrylic acid, polyvinyl chloride and its copolymer, vinyl acetate, dichloroethylene and water-soluble alkyd)

Water based adhesives and latex paints

Thick slurry and high viscosity system

Elastic wool drawing, floor paint, leather edge oil system

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses

Information of manufacturers and products

Product name	Antifoam
Model	RK-207
Manufacturer	Xiamen Rickman Chemical Technology CO., Ltd. Add: No 1267 Qianpu South Road, Siming District, Xiamen City, Fujian Province, China
Tel/Fax	15359255189

Product content

Pure or mixture	Mixture
English name	Mineral oil

Dangerous marks

Human-body health effect	Skin contact	Slightly skin allergic for variety of people
	Eye contact	Eye allergic
	Swallow	No data
Environment effect	No data	
Physical/chemical damage	—	
Special damage	—	

Packaging & Storage

Package	25kg/ 50kg/180kg plastic pail or 850kg IBC drum
Storage Condition	Room Temperature Storage (5°C-35°C) , Avoid direct sun light, shelf life is 6 months.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained here is offered in good faith and is believed to be accurate. However, because conditions and methods of use of Rickman products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end application.