



Product Name: Fluorochemical water and oil repellent agent RK-C120

RK-C120 is an environmentally friendly water and oil proofing agent specifically designed for pulp molded food box, paper and paperboard without changing the feel and appearance significantly enhancing the product's resistance to high-temperature liquid penetration. Its stable formulation facilitates easy demolding and convenient operation during processing. The treated containers effectively prevent the penetration of hot water and hot oil. This product is formulated with non-hazardous raw materials, eliminating ignition risks, and ensuring both production safety and processing efficiency. It is suitable for the industrial-scale water and oil-repellent functional treatment of pulp tableware.

Product property:

To provide the disposable food containers with excellent resistance to hot water and oil penetration.

To ensure the working fluid is stable and facilitates mold release.

To ensure the product is non-flammable, classified as a non-hazardous material, and safer to use.

Main physical and chemical properties:

Item	Range
Appearance	Light yellow liquid
Solid content (%)	20- 22%
pH value (stock solution)	3.0-7.0
Ionicity	Cationic/Non-ionic

Application Process:

The fluorochemical water and oil repellent agent RK-C120 is formulated with a waterproofing agent at a specific ratio to create a working solution. This solution is then introduced during the pulping process and thoroughly mixed for the production of disposable food containers.

The recommended dosage of the oil repellent is between 0.8% and 1.0% of the oven-dried pulpweight, which can be adjusted based on the specific application requirements at the client's site.

Key Applications

Waterproof and oil-proof finishing of pulp-molded food box

Paper tableware

Oil-proof paper

Food paper, bags

Dunnage paper

Newspaper and other paper products



LIMITATIONS

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

Information of manufacturers and products

Product name	Fluorochemical water and oil repellent agent
Model	RK-C120
Manufacturer	Xiamen Rickman Chemical Technology CO., Ltd. Add: No 1267 Qianou South Road, Siming District, Xiamen City, Fujian Province, China
Tel/Fax	15359255189

Product content

Pure or mixture	Mixture
English name	Acrylic copolymer

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	50kg/60kg plastic drum or 1000kg IBC drum
Storage Condition	Room Temperature Storage (0℃-40℃) , 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.