ROCIMA™ 345 Biocide

Fungicide and Algicide for Water-Based Paints and Plasters

General Description

ROCIMA 345 Biocide is a fluid, pumpable dispersion of substances with a high efficacy and broad spectrum of activity against fungi and algae growing on surfaces. It is ideally suited to be used as a film protection agent for water-based paints, plasters, lacquers, etc.

ROCIMA 345 is a biocidal product intended for use in accordance with Product Type 7 (Film Protection) of the Biocidal Products Directive.

Composition and Technical Data

Composition: Patented preparation of dichloroctylisothiazolinone and s-triazine derivative

Test	Min.	Max.	Unit	Method
Appearance	Flowable, grey-bluish dispersion			Visual
Density 20°C	0.97	1.07	g/ml	ISO 2811-1
Viscosity 20°C	60	80	KU	ASTM D-562
Particle size	0	30	µm	ISO 1524

(These values do not constitute specifications)

Typical Properties

Miscibility / Solubility

Virtually insoluble in water and organic solvents, miscible with water.

Stability

The activity will not be affected by short periods of temperatures up to 100°C during manufacturing, or by pH in the range 4-10.

Application and Activity

ROCIMA 345 can be used in application fields such as paints, plasters and also coatings for wood.

ROCIMA 345 is a combination of active substances, which lead to a very broad spectrum of activity and effectively control the growth of fungi, algae and lichens.

Good long term activity of the coating cannot be achieved by the biocide alone.

The formulation of the paint system, as well as the correct dosage of ROCIMA 345 are essential prerequisites.

If, due to faulty construction, the surfaces to be coated are permanently damp, remedial work must be done to correct this, before a successful application of ROCIMA 345 can be achieved using an economical and ecologically reasonable dose.

ROCIMA 345 primarily develops its effect after the coating or plaster system has been applied. It has, however an in-can activity. For optimal protection of the aqueous phase in containers from infestation of bacteria it is advisable to include an in-can preservative (e.g., ROCIMA 564, ROCIMA 523, ROCIMA 607).

ROCIMA 345 comes in the form of a flowable dispersion and is therefore easy to incorporate into the end product. A uniform and homogeneous distribution can be obtained by simple but thorough stirring.

ROCIMA 345 can be added at any phase of production provided thorough mixing is guaranteed. Should the manufacturing process involve heating of the product, it is advisable to add ROCIMA 345 after cooling down at the end of the process.

The great variety of systems and manufacturing conditions make it generally advisable to check compatibility before starting to use any new ingredient.

Should you encounter microbial problems or problems concerning applications, please contact our Biological or our Technical Service Laboratory.

Dosage

The optimum dosage of ROCIMA 345 depends largely upon the susceptibility of the coating to fungal and algal growth, the exposition to weathering, the thickness of the coating, the amount of dirt to be expected and the potential of the local environment to contaminate the surface.

For that reason, the concentration ranges listed below should be taken as general guidelines only:

Coatings:	0.5 - 1.2%
Plasters:	0.2 - 1%

Handling

Please refer to the safety data sheet of this product for precise handling instructions.

The processing and use of industrial chemicals require adequate technical and professional knowledge.

In general, avoid eye and skin contact, wear safety goggles, gloves and protective clothing. In case of eye or skin contact despite precautionary measures, wash immediately and thoroughly with plenty of warm water and obtain medical attention.

The legal requirements prevailing in your country, especially on working hygiene and in the avoidance of accidents, must be observed.

Storage

ROCIMA 345 should be stored in tightly sealed original containers and preferably at room temperature. If stored below 0°C solidification can take place which can be easily reversed after simple warming up to room temperature.

After homogeneous mixing ROCIMA 345 can be applied without any loss in effectiveness.

Protect from heat.

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