

ROCIMA™ 370 Biocide

Algicidal preparation for water-based paints and plasters

Description

ROCIMA 370 Biocide is a fluid, pumpable, algicidal dispersion for water-based technical products. The choice of active substances and their special formulation make it possible to manufacture environmentally friendly VOC and AOX free coating systems.

ROCIMA 370 prevents algal growth on coatings and plasters and thereby helps to make the technical and aesthetic qualities of exterior wall coatings last appreciably longer.

Composition and Technical Data

These properties are typical but do not constitute specifications.

Composition: terbutryne preparation

Appearance	greyish dispersion	
Density 20°C	1.04 ± 0.05 g/ml	ISO 2811-3
Viscosity η 20°C	< 100 KU	ASTM D-562
Particle size	< 30 μ m	ISO 1524

Typical Properties

Miscibility/Solubility

Miscible with water. Virtually insoluble in water and in organic solvents.

Stability

The activity of the active ingredients are not changed by short term temperature stress during processing up to 100°C or in a pH range between 4-10.

Application and Activity

ROCIMA 370 is based on active substances which are practically insoluble in water. ROCIMA 370 can therefore be used in coatings and paints especially developed for use under periodically damp conditions, and exposed to extreme weather conditions.

The formulation of the ready for use product and the optimum dosage of the microbicide are also necessary parameters to maximise the long term performance of ROCIMA 370.

If structural defects lead to permanent dampness, these defects should be corrected before a successful application of microbicides and a long lasting activity of the coating can take place.

If troublesome moulds are expected to occur on a coated surface as well as algal growth, the additional use of a suitable fungicide is indicated.

We recommend e.g. ROCIMA 250, ROCIMA 321 or ROCIMA 343 depending on the composition of the coating material.

ACIMA also offers a variety of combined products with both algicidal and fungicidal action. We are happy to help you make the optimum choice.

ROCIMA 370 is a modern formulation and makes no contribution to the VOC and of the AOX values of the finished product.

ROCIMA 370 is only an algicide. Therefore, it is recommended to use a suitable in-can preservative.

ROCIMA 370 must be blended homogeneously with the product to be protected. It is recommended to add ROCIMA 370 at the beginning of the manufacturing process.

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

Dosage

The optimum dosage of a microbicide depends largely upon the possibilities of contamination, the exposure conditions and the general susceptibility of the coating to microbial growth.

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

Paints	0.3 - 1.0%
Plasters	0.1 - 0.3%

In case of intense exposure to weather, if condensation is formed continuously or if the coats of paints or plasters become dirty very easily, the dosage of ROCIMA 370 Biocide may have to be increased above the usual level.

It is recommended to check planned dosages in laboratory experiments and if possible in practical experiments as well.

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 370 should be stored at room temperature in original containers. Storage at temperatures below -5°C can lead to solidification. If the product does freeze, it must be mixed homogeneously after thawing, before it can be used without any loss in effectiveness.

Use biocides safely. Always read the label and product information before use.

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