

ROCIMA™ 361 Biocide

Combination of algicide and fungicide for dry film protection of water-based paints and plasters

General Description

ROCIMA 361 Biocide is a preparation of active substances to provide technical products with algicidal and fungicidal activity.

ROCIMA 361 is supplied as liquid dispersion which can be pumped.

ROCIMA 361 is intended mainly for use in plasters and paints for exterior walls. However, it can also be used selectively in interior paints where the humidity in the atmosphere is periodically or permanently high.

ROCIMA 361 is a biocidal product intended for use in accordance with Product Type 7 (Film Protection) of the Biocidal Products Directive.

Composition and Technical Data

These values do not constitute specifications.

Composition: combination of carbendazim and diuron		
Appearance	fluid, white-greyish dispersion	
Density 20°C	1.05 ± 0.05 g/ml	ISO 2811-1
Viscosity 20°C	max. 100 KU	ASTM D-562
Particle size	< 30 µm	ISO 1524

Typical Properties

Miscibility/Solubility

Virtually insoluble in water and organic solvents; miscible with water; not miscible with water-insoluble organic solvents.

Stability

The active substances retain their activity when heated up to 100°C for a short period of time during manufacturing processes as well as in the pH-range 4 - 10.

Application and Activity

ROCIMA 361 is particularly suited to protect rough coated exterior surfaces of buildings against fungal and algal growth.

Such surfaces are often covered with dirt consisting of air-borne particles, such as soot from industrial combustion and from internal-combustion engines, dust and fertilizer from agriculture, pollen and other natural products.

This grime serves ordinarily as a substrate for microorganisms which have relatively modest demands.

Protection of plasters or paints with ROCIMA 361 has two objectives. Firstly, it should prevent the coats of plaster or paint from themselves serving as substrates for fungi and algae. Secondly, when surfaces get wet by rain or condensation, controlled diffusion of active substances will take place from the coats of plaster or paint into the wet phase, thus preventing fungal and algal growth.

If faulty constructions lead to permanent dampness, the structural defects must be corrected before a successful application of microbicides can take place.

ROCIMA 361 is effective only after application of plasters or paints. Therefore, we recommend strongly the additional use of an in-can preservative such as ROCIMA GT or KATHON™ LXE.

ROCIMA 361 must be blended homogeneously with the product to be protected. It is therefore recommended that ROCIMA 361 is added at the beginning of manufacturing processes.

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 ROCIMA 361 depends largely upon the amount of dirt to be expected on the surfaces to be treated, the possibilities of contamination and the general susceptibility of the coating to fungal and algal growth.

The bioactive substances are consumed irreversibly in prevention of growth of micro-organisms. Therefore, a reliable estimate of the degree of contamination to be expected is very important for choosing the optimum dosage of ROCIMA 361.

For this reason, the concentration ranges listed below should be taken for general guidance only:

Paints	0.5 - 3.0%
Plasters	0.2 - 2.0%

In case of exposure to extreme weather conditions, or if the coating is subjected to continuous condensation of paints or to rapid contamination with surface dirt, the dosage of ROCIMA 361 may have to be increased above the usual level.

It is recommended that proposed dosages are checked in laboratory tests 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 361 should be stored in tightly sealed original containers and preferably at room temperature. Protect from frost. If the product does freeze, it must be mixed homogeneously after warming up. Bioactivity is unaffected by freezing and thawing.

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

ROCIMA is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates. The Company's policy is to register its trademarks, where products designated thereby are marketed by the Company, its subsidiaries or affiliates.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Suggestions for use of our products, or the inclusion of descriptive material from patents and the citation of specific patents in this publication, should not be understood as recommending the use of our products in violation of any patents or as permission or license to use any patent of the Rohm and Haas Company.

