

ROCIMA™ 380 Biocide

Algicidal Preparation for Water-Based Paints and Plasters

General Description

ROCIMA 380 Biocide is a liquid, pumpable algicide dispersion for water-based technical products. Due to the very low water solubility it is especially recommended for coating exposed to severe weathering.

ROCIMA 380 controls algal growth on paints and plasters on the exterior of buildings and so enhancing their aesthetic appearance.

Composition and Technical Data

These values do not constitute specifications.

Composition: Aqueous dispersion of an s-triazine derivative.

Test	Min.	Max.	Method
Appearance	flowable, white to yellowish-greyish dispersion		Visual
Density 20°C	0.97	1.07 g/cm ³	ISO 2811-1
Viscosity η 20°C	60	90 KU	ASTM D-562
Particle size	0	30 mm	ISO 1524

Typical Properties

Miscibility/Solubility

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

Stability

The activity of the active ingredient is not changed by short-term temperature stress during processing at up to 100°C or in the pH-range of 4-10.

Application and Activity

ROCIMA 380 is based on an active substance which is practically water insoluble. ROCIMA 380 can therefore be used in appropriate paint formulations and coatings where it is exposed to weathering and periodically damp conditions.

In addition to the inherent effectiveness of ROCIMA 380 other factors are necessary for long term performance, e.g., formulation of the ready for use product and optimum dosage are also necessary.

In extreme cases where, for example, faults in construction technology lead to the permanent wetting of particular areas, successful application of microbicidal paint can only be effective after the construction faults have been rectified.

If on a coated surface, moulds or fungi are anticipated in addition to algae, the paint or plaster in question must be treated additionally with a suitable fungicide. Depending upon composition of the final product, we recommend adding, e.g., ROCIMA 250, ROCIMA 321, ROCIMA 344.

Rohm and Haas can also offer you different combined products with algicidal and fungicidal activity. We are at your disposal to help you make your choice.

ROCIMA 380 is only an algicide. Therefore, it can replace neither an in-can preservative nor a fungicide.

ROCIMA 380 must be blended homogeneously with the product to be protected. It is recommended to add ROCIMA 380 at the beginning of manufacturing processes.

Should you encounter microbial problems or problems concerning special applications, please contact your Rohm and Haas representative.

Dosage

The optimum dosage necessary of a microbicide depends largely upon the contamination risk, the exposure conditions and the general susceptibility of the coating (paint or plaster) to microbial growth.

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

Paints	0.2 - 1.0%
Plasters	0.1 - 0.3%

In case of intense exposure to weather, if condensed water is formed continuously or if the coats of paints or plasters get dirty very easily, the dosage of ROCIMA 380 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 380 should be stored in the closed original container. Protect from heat. Any supplies which do freeze must be homogeneously mixed after thawing before they can be used, no loss in effectiveness will be experienced.

Storage for a longer period of time can lead to an increase of viscosity.

Biocidal Products Directive Compliance

ROCIMA 380 is a biocidal product intended for use in accordance with Product Type 7 (Film Protection) of the Biocidal Products Directive.

Caution

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

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