

# ZINC OMADINE® ZOE

## Dry-Film Preservative

Paints & Coatings/US

EPA Registration No.:

Zinc Omadine® ZOE is a highly effective broad spectrum preservative against spoilage from bacteria, yeasts, algae and fungi.

### Application & Use

Zinc Omadine® ZOE is particularly effective as a single active dry film preservative for Architectural and industrial paints and coatings, Construction materials including flooring adhesives, caulks, sealants, grouts and jointing compounds as well as for building materials including ceilings, ceiling tiles, walls and internal partitions. Soluble iron, in particular, can react with the Zinc Omadine® active, producing a grey-blue discolouration in the paint. By using Zinc Omadine® ZOE, this interaction with iron is avoided.

This product is suitable for systems with a pH of 4-11.

### Product Highlights

- Broad-spectrum efficacy against fungi and algae
- Color-stable
- Good leaching resistance

### Active Substance

38.0%	Zinc pyrithione (Zinc, 2-pyridinethiol-1-oxide)	ZPT	 <p><b>Zinc Pyrithione</b> C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub>Zn</p>
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### Physical Properties

The following are typical properties of Zinc Omadine® ZOE; they are not to be considered product specifications.

<b>Appearance:</b>	Off-white dispersion
<b>Specific Gravity, 25°C:</b>	1.42
<b>pH (as is)</b>	9-11
<b>Solubility</b>	Dispersible in water
<b>Total solids</b>	52-56%

## Function/Activity

Suggested use levels are based on laboratory and field evaluations and are typical for the applications indicated. The actual level required for your system is formulation specific. The selection of the individual components of the formulation, the substrate to be coated, and the environment in which the coating will be exposed all have an influence on the amount of protection needed. Suggested use levels are reported as percentage of the end-use product. In hot, humid areas where the microorganisms are a particularly severe problem, the upper application levels are suggested.

Function	% Wt/Wt
Emulsion paints	0.2-0.6%
Construction materials	0.1-0.6%
Building materials	0.1-0.6%

## Formulating Considerations

Zinc Omadine® ZOE should be added to the system as early in the process as possible. The concentration required to adequately preserve your product depends on several factors. These include the susceptibility of the system to microbial degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature and the length of time for which protection is required. The product is compatible with most known aqueous systems. The potential for discoloration from transchelation must be considered. Incompatible with oxidizing agents, e.g. peroxides.

Due to various possibilities of application and different methods of processing, it is advised to check compatibility in the development of new products. Contact your Arxada representative for assistance.

## Packaging

For available pack sizing, please contact your Arxada representative.

## Product Safety & Additional Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and label.



For more information visit:  
[www.arxada.com](http://www.arxada.com)

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