

## COATING, INK AND PAINT ADDITIVE

### DESCRIPTION

Made of modified silicon and silicon dioxide compound, it is a strong defoamer with good foam suppression ability.

### PARAMETER VALUE

Appearance: Ivory fluid  
Viscosity 25°C/cps: 1000-5000  
Non-volatile content %: ≥ 98.0  
Closed flash point°C: > 100.  
Refractive index 25°C: 1.4040 ± 0.0050

### PRODUCT APPLICATION

- ✓ Epoxy glue and epoxy ink: 0.3-1.0%, defoaming and foam suppression
- ✓ Industrial paint and building paint: 0.05-0.2%, defoaming and foam suppression.
- ✓ Electron resistance welding ink: 0.5-1.5%, strong defoaming and long-lasting foam suppression
- ✓ UV ink and silk screen ink: 0.3-1.0%, defoaming and foam suppression
- ✓ Bi component PU system: 0.05-0.3%, defoaming and foam suppression
- ✓ Cutting fluid, cleaning agent, refining and solvent treatment.

### PROPERTIES

Effective %:	100
Appearance:	Milky white, sticky
Structure:	Silicon
Defoaming:	★★★★★
Foam suppression:	★★★★★
Compatibility:	★★
Leveling:	★
Recoating:	★★
Water\Oil\U:	N/Y/Y

For water-based emulsion paint system, suggested to be diluted with alcohols or ether by 1-2times before adding

## ADDING METHODS:

✓ **Added in the foam solution in advance**

The defoamer can effectively suppress bubbles when it is added in advance.

✓ **Continuous trickle-down**

In case of a continuous cycle where the defoamer is constantly consumed, using a method of continuous trickle-down the defoamer can effectively eliminate the bubbles.

✓ **Spray sprinkling**

The use of spraying method is effective when a large number of bubbles are produced in a short time or temporary bubbles generated have to be eliminated. Air gun can also be used to spray the diluted defoamer directly at the foam. Large diameter sprayer is ideal, if the sprayer aperture is too small, the defoamer becomes foggy and cannot effectively eliminate the bubbles.

✓ **Smear on the container**

This method is quite effective to control the bubbles generated in certain circumstances. In the foam container paint the defoamer in the shape of a ribbon. The foam will be eliminated if the bubbles reach the surface smeared with the defoamer.

## NOTE:

- ✓ Recommend diluting the defoamer to about 10% of the solution by solvent before using. Add under the condition of a higher dispersion rate and ensure that the defoaming system can be dispersed evenly.
- ✓ Sediments may occur in the defoamer during storage, but this will not affect the defoaming property. Stir it until the defoamer becomes uniform and then use.
- ✓ Please do not let the defoamer adhere to the skin / mucus when using. On the case of the defoamer adhesion to the skin / mucus, please wash it immediately with soap, then rinse by adequate water.

## TRANSPORTATION

Non-Flammable, transport according to conventional chemical transportation.

## STORAGE AND VALIDITY

Unopened stored when the temperature is below 38°C, the shelf-life of the product is from the date of production for 24 months. Out of this valid period, you need to test the performance before using.

## PACKAGING

Zepoxy DF 401 is available as follows:

1KG and 5KG.

## HEALTH AND SAFETY

Dispose containers of the materials as per local laws, rules, and regulations. Use gloves, safety masks and other safety apparel as per health and safety laws. For further assistance, please refer to the MSDS of the product for further health and safety information.