

Defoamer YW702

YW702 Defoamer is a mineral oil defoamer. It is recommended to apply waterborne architectural coatings, waterproof coatings, waterproof mortars, papermaking coatings, water-based adhesives, emulsion polymerization, etc.

Property

- The composition of the substance does not contain the substances mentioned in the SVHC list of the REACH regulation;
- Easy to disperse in water, stable effect during storage, no silicone.

Raw materials

- It is composed of mineral oil, fatty acid metal soap, silica, polyether and dispersant.

Typical product data

Specification	Physical and Chemical Properties	Test method
appearance	Yellow oily liquid at room temperature, no visible mechanical impurities, long-term storage allows stratification	GB/T26527-2011
viscosity (25℃/mPa·s)	1500-2500	GB/T5561-2012
pH	5.0~7.0	pH test paper
Defoaming rate (%)	>35	Annex I
Foam inhibition rate (%)	>45	

Note: The above data is for reference only and is not intended as a technical indicator.

How to use

(1) YW702 is a mixture and is a thermodynamically unstable system, which may appear stratification or little precipitation after prolonged storage, which is normal. It is recommended that users stir slightly before use so that the use effect is not affected (stirring speed is 30rpm-60rpm).

(2) This product cannot be diluted with water, if diluted with water may cause delamination, reduce the defoaming effect, and ultimately lead to an increase in the cost of use, for which the company is not responsible.

(3) When this product is used on site, it is recommended to choose a place where the defoamer is easy to disperse. The dosage is 0.1-1% of the total formulation volume.

The optimal addition point, dosage, addition method, and dilution ratio need to be determined by the customer according to the actual situation on site.

Packaging & Storage

This product is packed in 25KG plastic drum, 200KG plastic drum or 1000KG ton box, or customized according to customer requirements. This product should be stored in a dry and cold place, not exposed to sunlight or close to heat sources. If it is on fire and burning, extinguish the fire according to the general petroleum product method.

Under the recommended storage temperature (5 °C ~ 40 °C), under the condition of unopened packaging, the shelf life is 12 months from the date of production.

Executive Standards: Q320106SXXJ006-2019

Annex 1:

1. Test conditions:

Test temperature: normal temperature

Test medium type: latex paint

Test medium addition: 150g Defoamer use: direct addition Defoamer addition amount: 3%

2. Test method:

High-speed dispersion test: add a specified amount of foaming medium to the cup and disperse at a speed of 600rpm for 1min under a high-speed dispersing machine, then add defoamer and 1.5ml acrylic thickener (1:1 dilution), 0.3ml AMP95, disperse at a high speed of 600rpm on the high-speed dispersing machine for 1min, and finally disperse at high speed at 900rpm for 5min, measure the density within 30s after completion, and take pictures to record the apparent situation after 5min.

3. Calculation method of defoaming and inhibition rate:

a. defoaming rate %

Definition: The ratio of the volume of foam eliminated by addition of defoamer to the volume of foam under blank conditions.

$$K = \frac{V_2 - V_3}{V_2 - V_1}$$

V1—Volume of foaming liquid (without bubbles)

V2 – volume after high-speed dispersion (without defoamer)

V3 – volume after adding defoamer

b. Continuous defoaming rate%

Definition: The ratio of the eliminated foam volume to the foam volume under blank conditions after 24h after the test is completed.

$$K = \frac{V_2 - V_4}{V_2 - V_1}$$

V1 - volume of foaming liquid (without bubbles)

V2 - volume after high-speed dispersion (without defoamer)

V4 - volume after adding defoamer for 24h