

This product was previously marketed as ADDITOL® XW 372 N. All specifications, formulations, and performance characteristics remain unchanged.

TYPE

High-efficiency defoamer for waterborne dispersions, interior and exterior emulsion paints

FORM OF DELIVERY (f.o.d.)

Active substance

100 %

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity
(100 1/s; 23 °C) [mPa.s] 50 - 250

Not continually determined:

Colour / Appearance VLN 250

colour
appearance pale yellow
cloudy

Density (Liquids) DIN EN ISO 2811-2

density
approx.
(20 °C) [g/cm³] 0,88

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point [°C] > 100

SPECIAL PROPERTIES

Low foam processing of products.

Stable against increased shear stress.

Alkali-resistant up to pH = 13.

Outstanding effectiveness at low amounts of addition.

SUGGESTED USES

ADDITOL® XW 372 N XFOAM additive was developed specially for large to fine particle size dispersions based on polyvinyl acetate, PVC acrylates and their copolymers. With ADDITOL® XW 372 N XFOAM, medium to low viscosity products can be defoamed and/or produced with low foam, e. g. dispersions, emulsion paints and, after prior testing, high gloss paints for interior and exterior use based on:

- vinyl acetate and vinyl esters of carboxylic acids
- vinyl acetate/ethylene
- styrene and acrylic esters
- acrylic esters
- polyvinyl propionate etc. and copolymers thereof

- dispersion adhesives
- dispersion plasters
- glues
- polyvinyl alcohol solutions
- gloss plastics
- high gloss paints

The suitable and optimum amounts to be added should however be determined by a preliminary trial.

ADDITOL® XW 372 N XFOAM additive causes fully effective deaeration in unpigmented and pigmented systems, allows optimum milling conditions and shortens the mill time.

ADDITOL® XW 372 N XFOAM retains the effectiveness even with long-term storage of the end product.

As well as in emulsion paints, this product can be used in other waterborne coating systems.

PROCESSING

The ADDITOL® XW 372 N XFOAM additive should be added in the mill batch. This guarantees a regular and optimum distribution in the system. Foam formation is prevented during the application of high shear rates. If necessary, ADDITOL® XW 372 N XFOAM can be added at any stage of preparation.

After extended storage, phase separation may occur in the product. Therefore it is always good to shake or stir up the ADDITOL® XW 372 N XFOAM before using.

We recommend 0.1 - 0.5 % ADDITOL® XW 372 N XFOAM based on finished paint. A division of the amount to be added, i.e. half in the mill batch and half to the paint is advisable.

The amount to be added depends on the intensity of foaming and the composition of the foaming medium. In many dispersion systems the amount to be added can even be reduced to under 0.1 %. The optimum addition can be different for each individual formulation. In our tests overdoses of up to 1 % have shown no negative effects on the paint or coating system.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

Phase separation is possible; however it can be eliminated by shaking up.

DISTINGUISING FEATURES

ADDITOL® XW 372 N XFOAM replaces ADDITOL® XW 372 XFOAM.

If FDA approval is required, ADDITOL® VXW 6381 should be used.