

# ADDITOL® XW 375

## TYPE

Defoamer for waterborne coatings, inks and adhesives

## FORM OF DELIVERY (f.o.d.)

Active substance

100 %

## SPECIAL PROPERTIES

Rapid deaeration. Low foam generation.

Shear stable.

Low absorption on pigment particles.

Temperature resistant in foaming medium.

Alkali stable up to pH = 13.

Outstanding effectiveness at low levels of addition.

## PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	30 - 300
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Colour / Appearance VLN 250 colour appearance		pale yellow cloudy
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm <sup>3</sup> ]	0,89
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Flash Point (Pensky-Martens) DIN EN ISO 2719 flash point	[°C]	> 100
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## SUGGESTED USES

Additol XW 375 offers a higher level of foam breaking for large to fine particle size polymer dispersion based on polyvinyl acetate, PVC, acrylates and their copolymers.

Using Additol XW 375, 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 applications based on:

- vinyl acetate and vinyl esters of carboxylic acids
- vinyl acetate/ethylene
- styrene und acrylic esters
- acrylic esters
- polyvinyl propionate etc. and copolymers thereof
- dispersion adhesives
- dispersion plasters
- glues
- polyvinyl alcohol solutions
- gloss plastics
- high gloss paints

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

Additol XW 375 causes fully effective deaeration in unpigmented and pigmented systems, allows optimum milling conditions and shortens the mill time.

Pinholing and bubble formation in roller coating application are effectively reduced. In the case of slight overdosage Additol XW 375 shows no side effects.

## PROCESSING

To achieve the most effectiveness, Additol XW 375 should be added to the mill base. This gives complete and optimum distribution in the system.

In general the addition of Additol XW 375 can be made at any stage of the preparation. We recommend 0.1 - 0.6 % Additol XW 375 calculated on the total formulation. Half should be added to the mill charge and the remaining half to the finished paint. The optimum amount may be different for each individual formulation. The introduction of Additol XW 375 can be as follows. Mill base incorporation and/or during the manufacturing process. Additions may also be made in the tank during the tinting and mixing, during application, such as in the case of a dip tank, and the stirring of an aqueous liquid where air can be entrapped.

## 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.

## DISTINGUISHING FEATURES

Additol XW 375 is more suitable than Additol XW 372 as a defoamer in Mowilith DM 21 and Mowilith DM 611.

5.0/17.07.2013 ( replaces all previous versions )

• Worldwide Contact Info: [www.allnex.com](http://www.allnex.com) •

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