

This product was previously marketed as ADDITOL® XW 393. All specifications, formulations, and performance characteristics remain unchanged.

TYPE

Antifoam for waterborne paint systems, without silicone addition

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 35 %

PRODUCT DATA

Determined per batch:

pH-Value DIN ISO 976

pH-value 7 - 9

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter [%] 30 - 34

*
(1 h; 125 °C; 1 g)

Not continually determined:

Colour / Appearance VLN 250

colour brown
appearance clear

Density (Liquids) DIN EN 2811-2

density [g/cm³] approx. 0,92
(20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point [°C] approx. 32

SPECIAL PROPERTIES

Acts as an antifoaming agent (reduces or dissolves foam) by changing the surface tension.

Reduces flocculation of pigments.

Additive for Resydrol paint systems.

SUGGESTED USES

ADDITOL® XW 393 XFOAM additive is a special antifoaming agent for water dilutable paints on Reydrol resins. The product acts by changing the surface tension. ADDITOL® XW 393 XFOAM additive reduces the floating of pigments.

ADDITOL® XW 393 XFOAM is not generally suitable for just any waterborne paint systems. In order to avoid film defects, ADDITOL® XW 393 XFOAM should be combined with Additol XW 395 in most cases.

The quantitative proportion of ADDITOL® XW 393 XFOAM and ADDITOL® XW 395 FLOW additive must be carefully tested and optimized to prevent both, antifoaming and film defects. Depending on the composition of pigments, solvents, or other component, optimal proportions of the additives have to be tested in serial experiments for any system. The following quantities may serve as a guide: 0.5 - 3 % of ADDITOL® XW 393 XFOAM and 0.2 - 1 % of ADDITOL® XW 395 FLOW on Resydrol solids.

Overdose of ADDITOL® XW 393 XFOAM can lead to surface defects and reduced adhesion of the following paint coats. The efficiency of the antifoaming agent is reduced in the presence of higher quantities of organic solvents.

PROCESSING

It is advisable to add ADDITOL® XW 393 XFOAM additive to the production batch prior to dilution with water to secure uniform distribution. We recommend the addition of the ADDITOL® XW 393 XFOAM additive before grinding.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

* Note

The non-volatile matter content of a product is not an absolute quantity but depends upon the temperature and period of heating used for the test. Consequently, when using this method, only relative and not true values for non-volatile matter content are obtained owing to solvent retention, thermal decomposition and evaporation of low molecular mass constituents. The method is therefore primarily intended for testing different batches of the same type of product.

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