

PRELIMINARY PRODUCT INFORMATION

TYPE

Low-VOC defoamer based on hydrophobic modified polymers, without silicone addition

FORM OF DELIVERY (f.o.d.)

Active substance

approx. 100 %

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219
dynamic viscosity (25 1/s; 23 °C) [mPa.s] 200 - 800

Non-Volatile Matter DIN EN ISO 3251
non-volatile matter (1 h; 110 °C; 1 g) [%] > 99

Not continually determined:

Colour / Appearance VLN 250
colour yellowish
appearance cloudy

Density (Liquids) DIN EN ISO 2811-2
density approx. (20 °C) [g/cm³] 0,99

Flash Point (CCCFP) ASTM D 6450
flash point [°C] > 94

SPECIAL PROPERTIES AND USE

Suitable for radiation curing systems.

Additol XW 6544 was designed as defoamer for airless application especially for wb epoxy systems. It prevents foam formation and reduces pinholes in high film thickness due to optimized reflow properties.

Because of the high efficiency and the very low VOC content (< 1 %), our Additol XW 6544 can also be used as defoamer for wb pigment concentrates and for low VOC decorative coatings.

PROCESSING

The defoamer is generally added undiluted directly to the grind mix. In some cases it may be an advantage to add 1/3 of the total quantity to the grind mix and 2/3 to the let down.

The total recommended dosage is generally 0.5 - 1.0 % on total formulation.

In some cases, where especially strong foam generation is observed, a higher dosage may be necessary; it should, however, not exceed 1.5 %. The optimum dosage may vary from formulation to formulation.

For airless application based on wb epoxy systems the use of a combination based on Additol VXW 6388 and XW 6536 as rheological modifier and Additol VXW 6394 as dispersing agent are recommended.

STORAGE

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

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.