

PRELIMINARY PRODUCT INFORMATION

TYPE

Multipurpose silicone additive for improved surface quality and substrate wetting
(Organomodified polysiloxane type)

FORM OF DELIVERY (f.o.d.)

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 [mPa.s] < 1500
(25 1/s; 23 °C)

Colour / Appearance VLN 250
colour colourless to yellowish
appearance clear to light cloudy

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2
density [g/cm³] 1,0
approx. (20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719
flash point [°C] > 100

SPECIAL PROPERTIES

Additol XW 6586 is a very versatile polysiloxane based surface additive that can be used in a wide range of liquid industrial and architectural coatings as well as in printing inks and overprint varnishes based on radiation curing technology.

- Is highly effective at low dosage
- Improves leveling and appearance
- Improves surface slip
- Reduces friction
- Increases scratch resistance
- Has no negative impact on recoatability and interlayer adhesion
- Is recommended for high gloss formulations

Additol XW 6586 can be used in food contact application, for latest information about the compliance status with FDA, EU, Chinese or other food regulations, please contact PSRA-customer-requests@allnex.com.

SUGGESTED USES

Additol XW 6586 has a wide compatibility spectrum in most pigmented, transparent or clear water based (WB), solvent based (SB), high solid and 100 % systems as well as radiation cure (UV) inks and coatings.

Suggested applications are:

- WB industrial and architectural paint systems
- SB industrial and refinish coating systems
- Industrial furniture and special floor coating systems
- Marine
- UV curing (100 % and UV-PUD)
- Inks and overprint varnish

PROCESSING

Additol XW 6586 can be added at any stage of production and does not require high shear incorporation. Most recommended dosage levels are 0.05 % to 1 % on total formulation. The optimum dosage has to be determined by individual testing.

STORAGE

At temperatures from 10 °C to 25 °C storage stability packed in original containers amounts to at least 730 days.

Separation may occur, mix well before use.

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.