

ADDITOL® XW 6566

PRELIMINARY PRODUCT INFORMATION

TYPE

Non-toxic, low VOC combination drier, for water- and solvent borne alkyds

FORM OF DELIVERY (f.o.d.)

Metal content :

approx. 2 % Cobalt (as a non hazardous compound)

approx. 3% Zirconium

approx. 0,1 % Lithium

VOC content:

< 25 g/l

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 - 2000
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Not continually determined:

Colour / Appearance VLN 250 colour		violet
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Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm ³]	1,1
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Flash Point (CCCFP) ASTM D 6450 flash point approx.	[°C]	>95
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SPECIAL PROPERTIES

ADDITOL®XW 6566 meet legislation & regulation requirements and is a ready to use combination drier designed to have excellent compatibility and fast incorporation in all waterborne and solvent borne alkyd paints. The balanced non-hazardous metal combination results in very good surface and set drying performances combined with through drying.

SUGGESTED USES

ADDITOL XW 6566 can be used as drier for all water?dilutable, solvent borne and high solid oxidative drying alkyd resins. The innovative emulsification technology employed enables a labeling free use in high quality architectural and protective coating applications using alkyds.

PROCESSING

In most of the water borne s and in all solvent borne systems ADDITOL XW 6566 can be added neat in the paint system. In very low viscous water borne formulations improved incorporation can be achieved by pre?diluting ADDITOL XW 6566 2 : 1 with deionized water (a continues dilution process using a high speed stirrer). Addition can be made at any stage of paint manufacturing, however, for critical systems adding to the mill base is recommended in order to avoid precipitation. Dosages of 2.5 to 7.5 %, calculated on solid binder, are recommended.

STORAGE

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

The viscosity at lower temperatures could be strongly increased, the product recovers at room temperature.

It is important to take care that the open time of the containers is very short to prevent skinning of the material.

If a skin formation occurs it could be removed by filtration and has no negative impact on drying performance of the product.

DISTINGUISHING FEATURES

ADDITOL® XW 6566 is a non-toxic combination drier designed to meet most stringent requirements in terms of toxicity and VOC's and allowing replacement of widely used ADDITOL® VXW 6206 by adjusting the dosage without losing performance of paints.

Replacing ADDITOL VXW 6206 in existing formulation use 2.5 times higher dosage of ADDITOL XW 6566.

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.

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