

TYPE

Combination drier, water-dilutable, nonylphenol ethoxylatefree

Metal content

approx. 3 % Cobalt, approx. 3 % Barium, approx. 5 % Zirconium

SPECIAL PROPERTIES

The lead-free combination drier Additol VXW 4940 N produces in water-dilutable alkyd resin paints a quick set-drying in connection with an even trough-drying. Additol VXW 4940 N contains all metals which are necessary for an utmost oxidative drying. Adding any other drier is not necessary.

PRODUCT DATA

Determined per batch:

Colour / Appearance VLN 250

colour	violet
appearance	cloudy

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	1000 - 8000
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(25 1/s; 23 °C)

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm ³]	1,10
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approx.
(20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	65
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approx.

SUGGESTED USES

Additol VXW 4940 N can be used as drier for all water-dilutable, oxidatively drying alkyd resin paints. Especially recommendable is the usage of Additol VXW 4940 N for drying alkyd resin emulsions, e. g. Resydrol AY 586w, Resydrol AY 466w, Resydrol AZ 436w, because contrary to conventional driers a homogeneous distribution is provided and therefore a quick drying and most of all good drying stability can be achieved.

Additol VXW 4940 N can also be used for acryl-alkyd hybrid systems.

PROCESSING

Although Additol VXW 4940 N may be added undiluted to the paint system, we recommend to carefully dilute it 1 : 1 with deionized water before incorporation. There is no possibility to dilute with glycolethers. Additol VXW 4940 N can be added during all stages of paint manufacturing, for critical systems adding to the mill base is recommended in order to avoid bits.

Quantities of 2 - 3 %, 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.

It is important to protect Additol VXW 4940 N from frost; at low temperatures it has therefore to be stored under frostproof conditions. Additol VXW 4940 N will be destroyed at temperatures below 0 °C.

DISTINGUISHING FEATURES

Additol VXW 4940 N is the nonylphenol ethoxylatefree version of Additol VXW 4940. Additol VXW 4940 N exhibits better touch and through drying properties in comparison to Additol VXW 6206. Incorporation into externally emulsified alkyds is better than with Additol VXW 4940.

