

RESYDROL[®] AF 6120w/62WA

PRELIMINARY PRODUCT INFORMATION

TYPE

Oxidatively drying alkyd resin as aqueous emulsion, free of amines and ammonia

FORM OF DELIVERY (f.o.d.)

62 % in water (62WA), partially neutralized

Content of fatty acids

approx. 35 % special fatty acids (as triglycerides)

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219
dynamic viscosity [mPa.s] 500 - 1500
(10 1/s; 23 °C)

pH-Value DIN ISO 976
pH-value 5,5 - 9,5
(10 %)

Non-Volatile Matter DIN 55671
non-volatile matter [%] 60 - 64
(120 °C; 5 min)

Not continually determined:

Colour / Appearance VLN 250
colour white

Non-Volatile Matter DIN EN ISO 3251
non-volatile matter [%] 60 - 64
(1 h; 125 °C; 1 g)

Density (Liquids) DIN EN ISO 2811-2
density [g/cm³] 1,07
approx.
(20 °C)

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

DEVELOPMENT PRODUCT

This product, 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.

SPECIAL PROPERTIES AND USE

Resydrol AF 6120w comes without any organic solvents or amines. Stabilisation is reached by a special alkylphenolethoxylate-free carrier resin.

COMPATIBILITY

Resydrol AF 6120w can be easily combined with other Resydrol binders, for example Resydrol AY 586w and Resydrol AY 430w, even for high gloss paints. Joint usage of Resydrol AY 548wtix gives thixotropic properties. Resydrol AF 6120w can also be combined with acrylic emulsions, for example Mowilith[®] LDM 745, however the compatibility should be tested carefully in advance.

APPLICATION

Resydrol AF 6120w is not stable against high shear rates (3500 rpm) which are needed for the production of paints by pearl-mill for high gloss top coats. We recommend therefore the use of pigment pastes. As dispersing additives we recommend Additol VXW 6208 or EFKA 4550.

Resydrol AF 6120w is especially suitable for waterborne flat, semi gloss and high gloss paints for wood, walls and ceilings. Paints based on Resydrol AF 6120w show low yellowing (also in the darkness) and a very good compromise between drying and open time.

Resydrol AF 6120w can also be used for the production of solvent-free unpigmented and also pigmented wood stains, by using water dilutable Luconyl[®] (BASF), Disperfin[®] (Brockhues) or Napronyl[®] (Clariant) colour pastes.

On special woods, for instance oak and tropical woods like mahagoni, the drying rate may be delayed.

For Resydrol AF 6120w water emulsifiable driers, preferably the alkylphenolethoxylate-free Additol VXW 6206, should be used. The usage of a

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 180 days.

It is important to protect Resydrol AF 6120w from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Lowest storage temperature: - 2 °C

DISTINGUISHING FEATURES

Resydrol AF 6120w is especially suitable for pigmented paints and as combination partner with other w/b binders. Resydrol AF 6120w shows less yellowing and better drying than Resydrol VAS 6110w and Resydrol VAF 6111w.

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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