

# RESYDROL<sup>®</sup> VAS 6110w/68WA

**TYPE**

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

**Content of fatty acids**

approx. 61 % special fatty acids (as triglycerides)

**FORM OF DELIVERY (f.o.d.)**

68 % in water (68WA), partially neutralized

**PRODUCT DATA**

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	500 - 2000
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pH-Value DIN ISO 976 pH-value (10 %)		7,0 - 8,5
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Non-Volatile Matter DIN 55671 non-volatile matter (120 °C; 5 min)	[%]	66 - 70
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Not continually determined:

Colour / Appearance VLN 250 colour		white
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Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	66 - 70
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Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,04
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Flash Point (Pensky-Martens) DIN EN ISO 2719 flash point	[°C]	> 100
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**SPECIAL PROPERTIES AND USE**

Resydrol VAS 6110w comes without any organic solvents or amines. Stabilisation is reached by a special alkylphenoethoxy-free carrier resin. Resydrol VAS 6110w shows excellent penetration properties and is therefore especially suitable as sole binder for wood stains.

**COMPATIBILITY**

Resydrol VAS 6110w 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 or Resydrol VAY 6100wsca gives thixotropic properties. Resydrol VAS 6110w can also be combined with acrylic emulsions, however the compatibility must be tested carefully in advance.

**APPLICATION**

Resydrol VAS 6110w 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. As dispersing additives we recommend Additol VXW 6208 or EFKA 4550. Resydrol VAS 6110w can be used for the production of solvent-free unpigmented and also pigmented wood stains, by using water dilutable Luconyl<sup>®</sup> (BASF), Disperfin<sup>®</sup> (Brockhues) or Napronyl<sup>®</sup> (Clariant) colour pastes.

On special woods, for instance oak and tropical woods like mahagoni, the drying rate may be delayed and discolouring may occur. For Resydrol VAS 6110w only water emulsifiable driers, preferably the alkylphenoethoxy-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 365 days.

It is important to protect Resydrol VAS 6110w from frost; at low temperatures it has therefore to be stored under frostproof conditions.

Lowest storage temperature: - 2 °C

## DISTINGUISHING FEATURES

Resydrol VAS 6110w is especially suitable for wood stains, but shows less yellowing in white paints and has a significant higher resin solids, due to the emulsification with a special carrier resin, in comparison to Resydrol VAL 6088w.

5.0/30.03.2015 ( replaces 4.0/17.07.2013 )

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