

# RESYDROL<sup>®</sup> AZ 6190w/43WA

## PRELIMINARY PRODUCT INFORMATION

### TYPE

Oxidatively drying, ammonia neutralised, acryl- and urethane modified (aliphatic) alkyd emulsion

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

43 % in water (43WA)

## 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.

### Neutralisation agent

0.5 % ammonia, as salt

## CONTENT OF FATTY ACIDS

approx. 40 % special vegetable fatty acids (as triglycerides)

## TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (10 1/s; 23 °C)	[mPa.s]	3000 - 8000
---	---------	-------------

pH-Value DIN ISO 976 pH-value (10 %)		7,5 - 9,0
--	--	-----------

Non-Volatile Matter DIN 55671 non-volatile matter (120 °C; 5 min)	[%]	41,5 - 44,5
---	-----	-------------

Not continually determined:

Colour / Appearance VLN 250 colour appearance		light brown opak
---	--	---------------------

Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	41,5 - 44,5
--	-----	-------------

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,02
--	----------------------	------

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

## SPECIAL PROPERTIES AND USE

Resydrol AZ 6190w does not contain organic co-solvent and can be used as sole binder for paints, primers and wood-stains (interior).

We recommend Resydrol AZ 6190w especially for combinations with long oil alkyd emulsions, for example Resydrol AY 588w, for interior and exterior applications for woodstains, (trim) paints and primers.

## COMPATIBILITY

Resydrol AZ 6190w can be combined in any ratio with other Resydrol binders like Resydrol AY 586w, Resydrol AY 588w, Resydrol VAY 6100wsca, Resydrol VAF 6111w or Resydrol VAS 6110w.

Combinations with acrylic emulsion like Viacryl VSC 6279w or Mowilith LDM 7451 are possible, too.

## PROCESSING

Resydrol AZ 6190w is stable against high shear rates (3500 rpm) which are needed for the production of paints by pearl-mill, however for high gloss top coats we recommend a paint formulation using a pigment paste. As dispersing additives we recommend Additol VXW 6208 or Disperbyk 190.

Resydrol AZ 6190w can also be used for the production of solvent-free pigmented wood stains, by using water dilutable Luconyl<sup>®</sup> (BASF), Disperfin<sup>®</sup> (Brockhues) or Napronyl<sup>®</sup> (Clariant) transparent iron oxide color pastes. Due to its oil length below 50% we recommend to use Resydrol AZ 6190w as sole binder in woodstains and varnishes mainly for interior applications.

On special tannin rich woods, for instance oak and tropical woods like merbau or mahogany, the drying rate may be delayed and discolouring may occur.

For Resydrol AZ 6190w only water emulsifiable driers, preferably the alkylphenolethoxylate-free Additol VXW 6206, should be used. The usage of about 1% Additol VXW 6206, calculated on solid resin, is recommendable.

## STORAGE

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

Synthetic resins containing water may freeze or get inhomogeneous at temperatures below 0 °C. By this the product will not suffer any damage, but the necessary regeneration requires extended heat treatment at 40 - 50 °C with continuous stirring. It is therefore recommended to ensure frostproof storage of such products.

Lowest storage temperature: - 5 °C

## 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.

3.0/17.07.2013 ( replaces all previous versions )

• Worldwide Contact Info: [www.allnex.com](http://www.allnex.com) •

Disclaimer: Allnex Group companies ("Allnex") decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents Allnex's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of Allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is adapted for any specific use, performance or result and that product and/or information do not infringe any Allnex and/or third party intellectual property rights. The user should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights of Allnex and/or third parties remains the sole responsibility of the user.

© 2013 Allnex Belgium SA. All Rights Reserved

Notice: Trademarks indicated with the ®, ™ or \* are registered, unregistered or pending trademarks of Allnex Belgium SA or its directly or indirectly affiliated Allnex Group companies.