

# RESYDROL<sup>®</sup> AZ 6613w/36WA

## TYPE

Waterborne, urethane modified alkyd resin

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

36 % in water (36WA)  
(containing also 2.4 % methoxy propoxy propanol)

## Neutralization agent

1.1 % N.N-dimethylethanolamine, as salt

## PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (10 1/s; 23 °C)	[mPa.s]	800 - 1500
---	---------	------------

pH-Value DIN ISO 976 pH-value adjustment of pH with N.N-dimethyl ethanolamine (10 %)		7,0 - 8,0
---	--	-----------

Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	35 - 38
--	-----	---------

Not continually determined:

Colour / Appearance VLN 250 colour appearance		brown opaque
---	--	-----------------

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm <sup>3</sup> ]	1,06
--	----------------------	------

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

## SPECIAL PROPERTIES AND USE

Resydrol AZ 6613w/36WA in combination with watersoluble melamine resins (preferably hexamethoxy methylmelamine grades) is recommended for low bake (e. g. 20 min / 130 °C) waterborne stoving enamels providing properties like:

- very high film hardness in conjunction with high film elasticity
- very good gloss
- excellent chemical resistance
- excellent adhesion to steel or CED primers
- very good stone chipping resistance

According to our knowledge optimum results are obtained by blending 75 parts Resydrol AZ 6613w/36WA and 25 parts melamine resin (HMMM). Use of catalysts - even at low stoving temperatures - is NOT RECOMMENDED as they result in brittle coatings.

Stoving: 130 - 190 °C

**IMPORTANT:** Viscosity of Resydrol AZ 6613w/36WA and of enamels containing this grade is strongly increased by adding amines (= higher pH-value). Furthermore pH-value of the resin slowly decreases during storage, but can easily be readjusted by adding adequate quantities of amine (N.N-dimethylethanolamine 10%).

## STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 180 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: - 3 °C

4.0/17.07.2013 ( 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.