

RESYDROL[®] VAZ 6600w/36WA

TYPE

Waterborne, urethane modified alkyd resin

Neutralization agent

1.1 % N.N-dimethylethanolamine, as salt

FORM OF DELIVERY (f.o.d.)

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

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (100 1/s; 23 °C)	[mPa.s]	100 - 800
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pH-Value DIN ISO 976 pH-value *		7,0 - 8,0
(10 %)		

Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	35 - 37
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Not continually determined:

Colour / Appearance VLN 250 colour appearance		brown opaque
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Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm ³]	1,06
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Flash Point (Pensky-Martens) DIN EN ISO 2719 flash point	[°C]	> 100
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*
adjustment of pH value with N.N-dimethylethanolamine

SPECIAL PROPERTIES AND USE

Resydrol VAZ 6600w/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 VAZ 6600w and 25 parts melamine resin (e.g. CYMEL 303 LF Resin).

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 VAZ 6600w and of enamels containing this grade is strongly increased by adding amines (= higher pH-value).

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

6.0/16.12.2014 (replaces 5.0/17.07.2013)

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