

RESYDROL[®] AZ 6608w/43WA

TYPE

Waterborne, urethane modified polyester

FORM OF DELIVERY (f.o.d.)

43 % in water (43WA)
(containing also 3.6 % N-methyl pyrrolidone and 1.4 % methoxy 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]	100 - 1500
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pH-Value DIN ISO 976 pH-value (10 %)		7,5 - 8,5
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Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	41,5 - 44,5
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Not continually determined:

Colour / Appearance VLN 250 colour appearance		class-lightyell opaque
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Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm ³]	1,08
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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 AZ 6608w, a waterborne urethane modified polyester, is recommended for extremely flexible stoving enamels. For crosslinking melamine resins (preferably hexamethoxymethylmelamine grades) are needed.

Coatings based on Resydrol AZ 6608w provide:

- extraordinary good stone chip resistance
- excellent thermal yellowing stability (up to 200 °C)
- good gloss

Accordingly Resydrol AZ 6608w is recommended as modifier resin to improve stone chip resistance of waterborne primer-surfacers and basecoats.

Stoving temperature, depending on combination partners and melamine resin, may vary from 130 - 200 °C.

IMPORTANT:

Addition of amines to Resydrol AZ 6608w (increasing pH-value) causes dramatic viscosity increase. Due to that only a 20 % solution of dimethyl ethanolamine is recommended to adjust pH-value of resin or paints based on Resydrol AZ 6608w.

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: 0 °C

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