

TYPE

Waterdilutable, self-crosslinking alkyd resin containing urethane groups

Neutralization agent

1.5 % N.N-dimethylethanolamine, as salt

FORM OF DELIVERY (f.o.d.)

42 % in water (42WA)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (10 l/s; 23 °C)	[mPa.s]	50 - 3000
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pH-Value DIN ISO 976

pH-value adjustment of pH value with N.N-dimethylethanolamine (10 %)		7,0 - 8,5
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	40,5 - 43,5
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,07
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Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES AND USE

Waterborne paints on the base of Resydrol AZ 541w/42WA can be formulated with a very high level on quality. The paints have very good stability. The resin is self-crosslinking.

The cured films are very flexible and have excellent adhesion. Especially primer surfacers based on Resydrol AZ 541w/42WA have excellent processing properties and resistance against stone chipping, even at higher layer thickness of top coat.

Stoving conditions: 150 - 190 °C

STORAGE

At temperatures up to 35 °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: - 3 °C

