

# RESYDROL<sup>®</sup> VAY 5536w/35WA

**TYPE**

Acrylic modified, oil-free, saturated polyester resin in aqueous emulsion with incorporated catalyst

Neutralization agent

3.3 % N.N-dimethylethanolamine, as salt

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

35 % in water (35WA)  
(containing also 5.5 % N-methylpyrrolidone)

**PRODUCT DATA**

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219  
dynamic viscosity [mPa.s] 500 - 8000  
(10 1/s; 23 °C)

Dynamic Viscosity DIN EN ISO 3219  
dynamic viscosity [mPa.s] 130 - 650  
27% BG  
(25 1/s; 23 °C)

pH-Value DIN ISO 976  
pH-value 7,5 - 9,2  
adjustment of pH value with N.N-dimethylethanolamine  
(10 %)

Non-Volatile Matter DIN EN ISO 3251  
non-volatile matter [%] 34 - 36  
(1 h; 125 °C; 1 g)

Not continually determined:

Colour / Appearance VLN 250  
colour pale yellow  
appearance opaque

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

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

**SPECIAL PROPERTIES AND USE**

Resydrol VAY 5536w is outstanding suited for the production of waterborne high-quality white and coloured one-coat finishes or top coats with good weathering resistance for industrial applications (machines, instruments). For film formation Resydrol VAY 5536w must be crosslinked with amino resins suitable for aqueous systems. Preferred are hexamethoxymethylmelamine grades.

Stoved coatings stand out because of their high film hardness balanced with extraordinary good flexibility, as well as excellent water and solvent resistance. The adhesion to substrates like iron, aluminium, brass, copper and to galvanized surfaces is very good.

Minimum stoving condition: 140 °C for 30 minutes

Excellent paint stability.

Recommended pH-range: 7,8 - 8,5

**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 )

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