RESYDROL® VAF 5540w/70MP

Technical Datasheet

TYPE

Non-drying alkyd resin, after neutralization with amines water-thinnable

FORM OF DELIVERY (f.o.d.)

70 % in methoxypropanol (70MP)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity 54 % ethylene glycol monobutyl ether (25 1/s; 23 °C)	[mPa.s]	300 - 550
Acid Value DIN EN ISO 2114 acid value (non volatile matter)	[mg KOH/g]	42 - 53
Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	68 - 72

Not continually determined:

Colour / Appearance VLN 250 colour appearance		pale yellow clear
Density (Liquids) DIN EN ISO 2811-2 density aprrox. (20 °C)	[g/cm³]	1,10
Flash Point DIN EN ISO 1523 flash point aprrox.	[°C]	40

SPECIAL PROPERTIES AND USE

Resydrol VAF 5540w/70MP is a non-drying alkyd resin for stoving applications providing
- good pigment wetting
- excellent mechanical properties
- very good storage stability.

In combination with waterdilutable melamine resins (preferably hexamethoxymethylmelamine grades like e.g. Cymel 303) Resydrol VAF 5540w is recommended as modifier resin for waterborne automotive OEM Primer Surfacers to improve leveling and appearance. According to our experience the blending ratio of 85 parts Resydrol VAF 5540w and 15 parts Cymel 303 (calculated on solid resin) is providing the most balanced properties of the final coating.

DILUTABILITY

Resydrol VAF 5540w/70MP has to be neutralized with organic amines like e.g. Dimethyl ethanolamine, to gain waterdilutability. For 100 g of Resydrol VAF 5540w (as supplied) we recommend using 7 g of Dimethyl ethanolamine to achieve sufficient water dilutability and system stability.
Resydrol VAF 5540w is also soluble in water miscible solvents like glycol ethers and alcohols; nevertheless compatibility needs to be checked upfront.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.