

TYPE

Waterborne, epoxy- and urethane modified selfcrosslinking alkyd resin

Neutralization agent

2.0 % N,N-dimethylethanolamine, as salt

FORM OF DELIVERY (f.o.d.)

40 % in solvent mixture (40LG)

Lowest storage temperature: - 3 °C

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	50 - 760
22 % ethylene glycol monobutyl ether (25 1/s; 23 °C)		

pH-Value DIN ISO 976

pH-value (10 %)		7,5 - 9,5
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Non-Volatile Matter DIN EN ISO 3251

non-volatile matter (1 h; 125 °C; 1 g)	[%]	38,5 - 41,5
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Not continually determined:

Colour / Appearance VLN 250

colour appearance		light brown opaque
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Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,04
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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 VAX 5533w is recommended as modifier-resin to improve film hardness, gloss, adhesion and corrosion resistance of stoving primers and primer-surfacers. The resin is selfcrosslinking.

Generally Resydrol VAX 5533w offers good compatibility with urethane modified resins and oil-free polyesters, but blends - also with organic solvents - have to be checked separately.

Recommended pH-value of Resydrol VAX 5533w containing stoving enamels is at least 8.5.

Used as modifier-resin Resydrol VAX 5533w provides high film hardness from 130 °C onwards. The efficient working of the selfcrosslinking mechanism starts at 150 °C.

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.

DISTINGUISHING FEATURES

Compared to Resydrol VAX 5227w/55LG Resydrol VAX 5533w is selfcrosslinking and provides higher film hardness.

