RESYDROL® VAX 5538w/50WA

Technical Datasheet

TYPE

Waterborne, epoxy modified phosphoric acid ester

FORM OF DELIVERY (f.o.d.)

50 % in water (50WA)

Neutralization agent

approx. 8 % 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]	1000 - 8000
pH-Value DIN ISO 976		
pH-value adjustment of pH value with N.N-dimethylethanolamine (10 %)		6,8 - 7,6
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter (1 h; 125 °C; 1 g)	[%]	48 - 52

Not continually determined:

Colour / Appearance VLN 250		
colour		colourless to slightly yellow
Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,12
Flash Point (Pensky-Martens) DIN EN ISO 2719		
flash point	[°C]	> 100

SPECIAL PROPERTIES AND USE

Resydrol VAX 5538w/50WA in combination with water-dilutable melamine resins (preferably hexamethoxymethylmelamine grades) is recommended as modifier resin for waterborne primer-surfacers to improve adhesion (e.g. to PVC) and corrosion resistance.

Addition of Resydrol VAX 5538w to melamine crosslinking waterborne enamels can lead to increased reactivity, in some cases even to embrittlement of the coatings.

STORAGE

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

Synthetic resins containing water may freeze or get inhomogeneous at temperatues 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