

## TYPE

Water dilutable, epoxy resin-modified, oil-free, alkyd resin for stoving enamels

## Neutralization agent

2,2 % N,N-dimethylethanolamine, as salt

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

55 % in solvent mixture (55LG)

## PRODUCT DATA

### Determined per batch:

#### Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	90 - 500
44 % ethylene glycol monobutyl ether (10 1/s; 23 °C)		

#### pH-Value DIN ISO 976

pH-value		7,0 - 9,0
adjustment of pH value with N,N-dimethylethanolamine (10 %)		

#### Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	53 - 57
(1 h; 125 °C; 1 g)		

### Not continually determined:

#### Colour / Appearance VLN 250

colour		brown
appearance		opaque

#### Density (Liquids) DIN EN ISO 2811-2

density	[g/cm <sup>3</sup> ]	1,05
approx. (20 °C)		

#### Flash Point DIN EN ISO 1523

flash point	[°C]	57
approx.		

## SPECIAL PROPERTIES AND USE

Resydrol VAX 5227w/55LG is used for the formulation of water dilutable stoving paints. Coatings based on it are remarkable for their very good corrosion resistance. For film formation Resydrol VAX 5227w must be crosslinked with melamine resins suitable for aqueous systems. Minimum stoving temperature is 120 °C.

The addition of Resydrol VAX 5227w to other water dilutable alkyd resins and oil-free alkyds used for the formulation of automotive primer surfacers improves reactivity, pigment wetting and corrosion protection as well as build.

Stoving range: 120 - 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: - 12 °C**

