

RESYDROL[®] VAL 5547w

formerly: Rhenalyd WL 922

TYPE

Oxidatively drying, without prior neutralisation waterdilutable, modified linseed oil

FORM OF DELIVERY (f.o.d.)

98 %

RESIN COMPOSITION

(approx.)

62 % linseed oil

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219 dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	800 - 1500
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pH-Value DIN ISO 976 pH-value (20 %)		5,5 - 7,5
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Acid Value DIN EN ISO 2114 acid value (solids)	[mg KOH/g]	40 - 60
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Non-Volatile Matter DIN EN ISO 3251 non-volatile matter (1 h; 125 °C; 1 g)	[%]	96 - 100
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2 density approx. (20 °C)	[g/cm ³]	1,02
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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 VAL 5547w has excellent penetration properties and can be diluted with water without prior addition of neutralising agents. We recommend the addition of Resydrol VAL 5547w into water, in order to avoid the reaching of a viscosity maximum by diluting the other way round.

In quick drying painting materials based on, for example Resydrol VAY 6278w, addition of Resydrol VAL 5547w will result in an optimization of brushability and wet edge time. However, the compatibility has to be carefully checked in every individual case and the added amounts should not exceed 15 % Resydrol VAL 5547w (calculated on solid resin). Additions of Resydrol VAL 5547w may increase the yellowing.

As sole binder Resydrol VAL 5547w can be used in wood impregnations. The incorporation of biocides like Additol VXW 6370 is possible.

Furthermore Resydrol VAL 5547w can be used as dispersing agent for waterborne systems, as resin for pigment pastes for waterborne and solventborne systems and as carrier for biocides for the wood protection. Since Resydrol VAL 5547w is oxidatively drying the active components will be fixated in the wood cells, so there is no danger of washing out of the active ingredients as it may happen for example in emulsifier containing systems.

Resydrol VAL 5547w shows very good pigment wetting properties and is unaffected under shear.

Water emulsifiable driers such as Additol VXW 4940, Additol VXW 4952 or VXW 6206 can be used with Resydrol VAL 5547w.

STORAGE

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

DISTINGUISHING FEATURES

Contrary to Resydrol AL 460w you can dilute Resydrol VAL 5547w with water without prior neutralisation. The role of Resydrol VAL 5547w in waterborne paints and wood stains is comparable to the use of stand oils in solventborne paints.

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