

# RESYDROL<sup>®</sup> AY 6150w/45WA

## TYPE

Air-drying, acrylic modified alkyd resin emulsion

## Neutralization agent

0.6 % ammonia, as salt

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

45 % in water (45WA)  
(containing also < 1 % n-butoxy propanol)

## CONTENT OF FATTY ACIDS

approx. 35 % special vegetable fatty acids (as triglycerides)

## PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219  
dynamic viscosity [mPa.s] 300 - 1200  
(100 1/s; 23 °C)

pH-Value DIN ISO 976  
pH-value 8,0 - 9,2  
(10 %)

Non-Volatile Matter DIN 55671  
non-volatile matter [%] 43,5 - 46,5  
(120 °C; 5 min)

Not continually determined:

Colour / Appearance VLN 250  
colour light brown  
appearance opaque

Non-Volatile Matter DIN EN ISO 3251  
non-volatile matter [%] 43,5 - 46,5  
(1 h; 125 °C; 1 g)

Density (Liquids) DIN EN ISO 2811-2  
density [g/cm<sup>3</sup>] 1,05  
approx.  
(20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719  
flash point [°C] > 100

## SPECIAL PROPERTIES AND USES

Resydrol AY 6150w/45WA is designed for the production of air-drying, waterborne 1 pack topcoats and monolayers. Paints based on this resin show quick drying, high gloss and corrosion protection, good adhesion on various substrates and very good recoatability at any time. With Resydrol AY 6150w/45WA, we can also formulate multipurpose primers. Such paints show high built and mild odour.

Resydrol AY 6150w/45WA can also be used as sole binder or in combination with dispersions for the formulation of wood stains, primers and paints.

## DILUTABILITY

Resydrol AY 6150w/45WA can be diluted with deionized water as much as desired. The application viscosity of paints on this basis can therefore be adjusted with deionized water alone, not requiring the additional use of organic solvents.

## PROCESSING

Addition of driers

Water-emulsifiable driers such as Additol VXW 4940 N or cobalt free, Borchers Dry VP 0347 Aqua, have to be used for this purpose. Additions of 2 - 5 % of this substance (referred to the amount of solid binder) are recommended. In order to ensure homogeneous distribution in the paint, these driers should be diluted with deionized water at a ratio of 1 : 1 before being added. Optimum incorporation is to be expected when the drier is added to the material before grinding.

## 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 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: - 2 °C

## DISTINGUISHING FEATURES

Paints based on Resydrol AY 6150w/45WA have better filling power, quicker drying and higher gloss as paints based on Resydrol AY 466w/38WA.

6.0/17.07.2013 ( replaces all previous versions )

• Worldwide Contact Info: [www.allnex.com](http://www.allnex.com) •

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