

Technical Leaflet

WorléeKyd RS 2174

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W'Kyd RS 2174 is an extremely low viscous air drying alkyd resin for the use in low VOC paints, glazings and pigment pastes. The content of renewable raw material is at 74% in delivery form.

Technical Data:

Non volatile content, 1h/125 °C, DIN EN ISO 3251	min. 98%
Oil content	approx.74%
Acid value, on solids, DIN EN ISO 3682	max. 6
Colour, Gardner, delivery form, DIN ISO 4630	< 10
Viscosity, Rheometer, 20 °C, C 35/1°, 250 s ⁻¹	< 750 mPa·s
Delivery form	solvent free

Applications and Properties:

W'Kyd RS 2174 is an air drying alkyd resin which is especially suitable for the use as combination- or sole binder in low VOC coatings. Due to the very good compatibility with short-, medium- and long-oil alkyd resins it is suitable for the improvement of the processing - and levelling properties of paints on this basis. This very good compatibility with at the same time good pigment wetting enables the W'Kyd RS 2174 being an ideal paste binder. Due to the extremely low viscosity low VOC and VOC-free pigment pastes can be formulated.

Another field of application is the application as sole- or combination-binder in low VOC or VOC-free wood glazings and especially in maintenance oils. Through the possible increase of the non volatile content with at the same time a viscosity decrease a system with very good penetration and excellent processing- and levelling properties is obtained.

Further application fields are VOC reduced dilutions and as correction resin in paint productions.

Handling and Storage:

Can form haze or sediment when stored.

WorléeKyd RS 2174

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Dilutability:

W'Kyd RS 2174 is dilutable in all common solvents.

Compatibility:

W'Kyd RS 2174 is compatible with most short-, medium- and long-oil air-drying alkyd resins. There is also a compatibility with special acrylic resins, such as W'Cryl L 2380 or W'Cryl L 2822.

Driers:

Following driers are recommended for W'Kyd RS 2174:

as combination resin

Here the driers depend essentially on the basic resin.

Cobalt-containing

approx. 0.06% Co

approx. 0.15% Ca

approx. 0.15% Zr

(metal on solid binder)

Cobalt-free

a) approx. 1% BorchersDry 411hs

b) approx. 1% Nuodex Drycoat

each counted on solid binder. In addition the use of secondary driers respectively special additives is recommended.

approx. 0.15% ca

approx. 0.15% zr

(each metal on solid binder)