

## Technical Leaflet

# WorléeKyd T 735

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W´Kyd T 735 is a medium viscous, very reactive stoving alkyd resin mainly for the manufacture of high quality industrial paints.

### Technical Data:

Content of phthalic anhydride	approx. 35%
Oil content	approx. 36%
Colour, Gardner, 50% in xylene, DIN ISO 4630	max. 10
Acid value, DIN EN ISO 3682	max. 15
OH-content	1.3 - 1.7%
Viscosity, 20 °C,50% in xylene, DIN 53211-4	60 - 70 s
<b>Delivery form</b>	<b>60% in xylene</b>

### Compatibility:

In general W´Kyd T 735 is well compatible with short oil alkyd resins and amino resins. Due to the numerous products being on the market trials before use are recommended.

### Solubility:

W´Kyd T 735 is soluble in aromatic hydrocarbons, esters, ketones, glycol ethers and glycol ether esters. It is insoluble in aliphatic hydrocarbons and alcohols.

### Application and Properties:

W´Kyd T 735 is an alkyd resin for the manufacture of high quality stoving enamels with excellent gloss and high hardness as well as good elasticity and adhesion. With reactive melamine resins a ratio alkyd resin / melamine resin of 75:25 to 80:20 (on solids) is recommended. With reactive, not plastified urea resins a ratio of 60:40 to 70:30 (on solids).

The stoving conditions are, when used normal reactive amino resins 30 - 15 min. 100 - 140 °C, when used high reactive melamine resins 45 - 30 min. 80 - 90 °C and in combination with high reactive urea resins 10-20 min. 140 - 120 °C.

Due to the high reactivity of W´Kyd T 735 the addition of 20 - 25% (calculated on solvent mixture) of polar solvents, e.g. n-butanol, isobutanol, methoxy propanol etc. is necessary to



achieve sufficient viscosity stability. Stoving primers and top coats based on W´Kyd T 735 show excellent adhesion on iron metals and are also in this respect not worse than dehydrated castor oil alkyds of the same oil length. W´Kyd T 735 is especially recommended for the manufacture of hammer finishes and other textured stoving finishes.

W´Kyd T 735 is also suitable for the manufacture of oven curing systems based on blocked isocyanates.