

FORMS OF SUPPLY

LAUROKYD® A-408: 60% in xylene

LAUROKYD A-408

TYPE AND USE

LAUROKYD A-408 is a semi – drying, short oil alkyd, based on dehydrated castor oil.

LAUROKYD A-408 is suitable for use in combination with isocyanates for the production of 2P polyurethane finishes.

LAUROKYD A-408 can be used for general purpose industrial stoving enamels and primers, in combination with melamine or urea resins, curing even at low temperatures. Also suitable for air drying industrial finishes, having a short drying time. LAUROKYD A-408 can be used as a plasticizer for acid curing paints and varnishes, as well as nitrocellulose primers, fillers, putties and lacquers. Due to its relatively high acid value, when formulating stoving paints with melamine resins, care should be taken to stabilize the paint, e.g. by using suitable higher alcohols, glycol ethers or amines.

PRINCIPAL PROPERTIES

High impact and weather resistance, high surface hardness.

Excellent adhesion, combined with high flexibility, perfectly balanced with hardness.

Very high gloss and gloss retention.

Corrosion resistance and adhesion can be further improved with addition of low MW solid epoxy resins (EEW = 450 – 500).

COMPOSITION

Type of oil: Dehydrated Castor Oil (DCO)

Oil length: approx. 40%

Phthalic anhydride: approx. 38%

Type of polyol: TMP

SOLUBILITY

White spirit: insoluble

Aromatic hydrocarbons: complete

Esters, ketones: complete

Alcohols: insoluble

TECHNICAL CHARACTERISTICS

Non-volatile content (ELOT EN ISO 3251) 60% ± 2%

Viscosity, 60% in xylene

25°C (ELOT EN ISO 2884) mPa.s 2000 – 3500

Acid value (ELOT EN ISO 3682 on n.v.) 16 - 22

Colour, 50% nv

Gardner colour scale (ELOT EN ISO 4630) max. 6

(determined by calculation and also measured in the laboratory but not continuously):

Hydroxyl Number (ELOT EN ISO 4629, on NV) 120 – 130

OH – content % (on NV) 3,6 – 4,0%

OTHER CHARACTERISTICS (informative)

Flash point approx. 25°C

The information contained herein is provided in good faith and is to the best of our knowledge accurate. Therefore, the buyer is advised to determine the suitability of this product for the intended use. We retain the right to make any changes according to technological progress or further developments. For safety and additional information please refer to the Material Safety Data Sheet as well as to other informative documents accompanying the product.