

## TECHNICAL DATA SHEET

# SYNOLAC® 2111 WD 70

Medium oil alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® 2111 WD 70 is a medium oil alkyd based on non yellowing fatty acids, showing a higher film build than standard resins for car bodywork.

SYNOLAC® 2111 WD 70 can be considered, in the medium oil alkyd category, as a resin designed for high solids paints.

The resin is supplied in low aromatic white spirit to enable the formulation of coatings that do not require adverse environmental labelling.

SYNOLAC® 2111 WD 70 shows an excellent weather resistance, keeping a permanent flexibility.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	68 - 72 %	ISO 3251
Viscosity (25°C)	14 000 - 18 000 mPa.s	ISO 3219
Color	6 max Gardner	ISO 4630
Acid value	15 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	Low aromatic white spirit	-
Flash point	40 °C	ISO 3679
Density	0.97 g/ml	ISO 2811
Fatty acid type	Linoleic rich	-
Fatty acid content	50 %	-

<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

### MARKETS & APPLICATIONS

#### Coatings & Inks

- Architectural Coating
  - Trim
- Industrial Coating
  - General Industry

# SYNOLAC® 2111 WD 70

## FORMULATION GUIDELINES

### **RECOMMENDATIONS FOR USE**

SYNOLAC® 2111 WD 70 has good pigment wetting properties, higher than standard medium oil alkyds. Used in combination with other medium oil alkyds or shorts oil alkyds, it allows to improve the pigment dispersion and the gloss.

Its dust-free time is very closed to its set-to-touch time (with around 2h30 for the first one and 3 to 4 hours for the second one). Such resin usually has a dust-free time around 15 to 30 minutes and a set-to-touch time between 3 and 4 hours.

Diluted at 50% in white spirit, its viscosity is lower than 10 Poises instead of a viscosity of more than 150 Poises, as usually observed.

It can be used as a co-binder with other standard car bodywork resins. By varying the quantity of SYNOLAC® 2111 WD 70, the open time can be better adjusted than with only solvents.

The levelling and the gloss will be improved by replacing 15 to 30% of the resin solids by the SYNOLAC® 2111 WD 70.

### **SOLUBILITY**

SYNOLAC® 2111 WD 70 is completely soluble in aromatic and aliphatic hydrocarbons, esters, ethers and ketones.

SYNOLAC® 2111 WD 70 is insoluble in alcohols, but small amounts of alcohol allow to reduce strongly the viscosity.

### **COMPATIBILITY**

SYNOLAC® 2111 WD 70 is compatible with long and medium oil alkyds, maleic resins, phenolic modified resins, chlorinated rubber. It is however recommended to carefully check the compatibility in each system.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 2111 WD 70 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

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