

# SYNOLAC® 2111 WD 70

GENERAL INDUSTRY

ARKEMA COATING RESINS

## 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.

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	68 - 72
Viscosity at 20°C, dPa.s (ISO 3219)	290 - 350
Colour, Gardner scale (ISO 4630)	6 max
Acid value, mg KOH/g (ISO 2114)	15 max

## Other Characteristics<sup>1</sup>

Volatile	Low aromatic white spirit
Flash point, °C (ISO 3679)	40
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	0.97
Type of fatty acid	Linoleic rich
Fatty Acid content, %	50

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

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

## 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.

SYNOLAC®

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**Product Safety**

Please refer to the corresponding Safety Data Sheet.

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**Storage & 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 9 months from the shipping date

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The logo for ARKEMA, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a green color.