

# SYNOLAC® 926 X 60 HV

GENERAL INDUSTRY

ARKEMA COATING RESINS

## Product

### Application details

SYNOLAC® 926 X 60 HV is a short oil alkyd resin based on soya rich oil, designed to formulation nitrocellulose lacquers and varnishes, very fast drying sealers, fillers and primers with easy sanding, very fast air drying varnishes and paints as two pack polyurethane lacquers and general purpose stoving enamels.

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 6.6s-1) (ISO 3219)	3100 - 6000
Colour, Gardner scale (ISO 4630)	6 max
Acid value, mg KOH/g (ISO 2114)	8 - 15

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

Volatile	Xylene
Flash point, °C (ISO 3679)	25
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.00
Type of fatty acid	Soya
Fatty Acid content, %	27
Hydroxyl Content, %	3

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® 926 X 60 HV is recommended for nitrocellulose lacquers and varnishes formulations with an alkyd/ nitrocellulose ratio till 3:1. An important characteristic is a very quick solvent release from the applied film, allowing to handle the varnished goods in very short times. Quantities of 1-3% of zinc stearate are recommended to obtain a good sanding. On matting varnishes, it allows a perfect distribution on the varnish surface, giving an excellent appearance. SYNOLAC® 926 X 60 HV allows to obtain putties with very fast drying and high thickness film without cracking and with sanding times of 2-3 hours, high build and flexibility.

SYNOLAC® 926 X 60 HV allows formulation of nitrocombined varnishes which may be hardened with polysocyanates. Very good stackability and sanding can be obtained.

SYNOLAC® 926 X 60 HV combined with melamine-formaldehyde resins (75/25 or 80/20 ratios) allows the formulation of stoving enamels curables from 80°C.

Combined with urea-formaldehyde resins (ratio 60/40 or 70/30) stoving schedules can be obtained from 110°C.

Driers are usually not used in primers with SYNOLAC® 926 X 60 HV because its low effects over product stability. Nevertheless, additon of 0.03% of cobalt (metal on solid resin) improves drying and initial hardness.

Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

### SOLUBILITY

SYNOLAC® 926 X 60 HV is soluble in aromatic hydrocarbons, esters, ketones, glycol ethers, alcohols and trichloroethylene, partially soluble in terpenic solvents and insoluble in aliphatic hydrocarbons.

### COMPATIBILITY

SYNOLAC® 926 X 60 HV is compatible with nitrocellulose, chlorinated rubber resins, maleic resins and poly-isocyanates, partially compatible with phenolic modified resins and drying oils and incompatible with standoils.

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## **Product Safety**

Please refer to the corresponding Safety Data Sheet.

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## **Storage & Handling**

SYNOLAC® 926 X 60 HV 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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