SYNOLAC® 7025 S 50 HV

INDUSTRIAL WOOD

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 7025 S 50 HV is a high molecular weight short oil alkyd resin based on vegetable fatty acids designed for the formulation of 2 pack polyurethane systems.
SYNOLAC® 7025 S 50 HV is a general purpose resin, with broad application field, suitable for polyurethane wood sealers and topcoats, providing fast sanding and good recoatability at low crosslinking levels.It is recommended for clear and pigmented coatings for the furniture industry.

Polymer Type

- Solventborne Alkyd

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	49 - 51
Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 6.6s-1) (ISO 3219)	7500 - 15000
Colour, Gardner scale (ISO 4630)	4 max
Acid value, mg KOH/g (ISO 2114)	22 max

Other Characteristics[1]

Volatile	Xylene / MEK
Flash point, °C (ISO 3679)	16
Density / Specific Gravity at 25°C, g/ml (ISO 2811)	1.0
Type of fatty acid	Vegetable fatty acids
Fatty Acid content, %	32
Hydroxyl Content, %	4.8

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

1 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® 7025 S 50 HV can be used as a sole binder or in combination with high solids alkyds in order to fit the different application requirements. From 60 to 80% is the crosslinking level recommended for basecoats.
It is recommended to crosslink it with an aromatic adduct / isocyanurate ratio between 2:1 to 4:1.

SOLUBILITY

SYNOLAC® 7025 S 50 HV is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and has a limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

SYNOLAC® 7025 S 50 HV is compatible with most short oil alkyds resins, nitrocellulose, phthalate plasticizers, maleic resins, urea and melamine resins and polyisocyanates.

Product Safety	Please refer to the corresponding Safety Data Sheet.
Storage & Handling	SYNOLAC® 7025 S 50 HV can present some haziness upon storage at ambient temperature. The resin should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature above 25°C to minimize chance of haziness. In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date

Arkema Coating Resins
420, rue d'Estienne d'Orves
92705 Colombes Cedex - France
arkema.com - **arkemacoatingresins.com**