

TECHNICAL DATA SHEET

SYNOLAC® 15S-60

Medium oil alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 15S-60 is a medium oil alkyd resin suitable for the formulation of 2K polyurethane wood coatings.

The sealers formulated with SYNOLAC® 15S-60 have good sandability, recoatability and transparency.

The topcoats formulated with SYNOLAC® 15S-60 are easy to matt and have very good scratch resistance.

SYNOLAC® 15S-60 has good yellowing resistance, depending on the polyisocyanate used to crosslink it.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (at 150°C, 1gm, 1hr)	58 - 62 %	ISO 3251
Viscosity (40% Xylene, Ford Cup B-4) (at 30°C)	40 - 50 s	
Color	3 max Gardner	ISO 4630
Acid value	15 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Volatile	Xylene / MIBK	
Density (at 20°C)	1.01 g/ml	ISO 2811
Fatty acid type	Special Fatty Acid	
Fatty acid content	44 %	

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

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

MARKETS

Coatings & Inks

- Industrial Coating
 - Automotive - Refinish
 - Wood Furniture

PERFORMANCE BENEFITS

- Good Sandability, recoatability & transparency
- Very good scratch resistance
- Good yellowing resistance

SYNOLAC® 15S-60

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 15S-60 is used in 2 pack systems either in combination with aromatic or with aliphatic polyisocyanates. The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

Hydroxyl equivalent weight = $17 \times 100 / \% \text{ OH}$

Isocyanate equivalent weight = $42 \times 100 / \% \text{ NCO}$

SOLUBILITY

SYNOLAC® 15S-60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and has a limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

SYNOLAC® 15S-60 is compatible with most short oil alkyds resins, nitrocellulose, phthalate plasticizers, maleic resins, urea and melamine resins and polyisocyanates.

Notice that the presence of this resin increases the compatibility between nitrocellulose and isocyanates.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 15S-60 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 date of manufacturing.

Shelf Life (Months): 12

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