

## TECHNICAL DATA SHEET

# SYNOLAC® 8000 BA 75

Short Oil Alkyd

### PRODUCT APPLICATION DETAILS

SYNOLAC® 8000 BA 75 is a non-drying, short oil alkyd resin particularly recommended for use in NC-combination varnishes for industrial furniture coatings applied by curtain-coating, roller or spraying.

Varnishes based on SYNOLAC® 8000 BA 75 show a very fast solvent release and drying, quickly providing a good blocking resistance and sanding properties.

While the resin solution of SYNOLAC® 8000 BA 75 has a good tolerance to alcohols as diluents, dry films achieve an excellent alcohol resistance.

SYNOLAC® 8000 BA 75 provides a low initial colour and a good colour retention.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	74 - 76 %	ISO 3251
Reduced viscosity (4mm, 60% in Butyl acetate) (20°C)	45 - 50 mPa.s	DIN 53 211
Color (Iodine Colour index) (60% % in Butyl acetate)	3 max	DIN EN 1557
Acid value	12 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate	-
Flash point	24 °C	ISO 3679
Density	1.04 g/ml	ISO 2811
Fatty acid type	Peanut oil	-
Fatty acid content	40 %	-

<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

#### Coatings & Inks

- Industrial Coating
- Wood Furniture

# SYNOLAC® 8000 BA 75

## FORMULATION GUIDELINES

### **SOLUBILITY**

SYNOLAC® 8000 BA 75 is completely soluble in aromatic hydrocarbons, esters, ketones, glycol ethers and their esters. It is partially soluble in alcohols and aliphatic hydrocarbons.

### **COMPATIBILITY**

SYNOLAC® 8000 BA 75 is compatible with many non-drying, short oil alkyd resins, some polyester resins, like SYNOLAC® 680 BA 70, no-plasticized urea and melamine formaldehyde resins, maleic and ketone resins, phthalic acid esters as plasticizers and nitrocellulose.

It is incompatible with drying medium to long oil alkyds, modified alkyds, hydrocarbon resins, high melting maleic resins.

### **OTHER ADDITIVES**

SYNOLAC® 8000 BA 75 may be pigmented with all commonly used inorganic and organic pigments. Matt finishes are easily obtained using silica matting agents, like Acematt® OK 500 <sup>(1)</sup> or Syloid® Silica ED 30 <sup>(2)</sup>, preferably in combination with a polyethylene or polypropylene wax, like Crayvallac® WN-1495 <sup>(3)</sup>, Crayvallac® WN-1135 <sup>(3)</sup> or wax dispersions like Crayvallac® WS-8050 <sup>(3)</sup>.

Notes: <sup>(1)</sup> Evonik Industries AG, ( 2) Grace, <sup>(3)</sup> Arkema

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOLAC® 8000 BA 75 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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