

# SYNOLAC® 8000 BA 75 (FORMERLY SYNOLAC® 4000 BA 75)

INDUSTRIAL WOOD

ARKEMA COATING RESINS

## 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.

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

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

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

Volatile	Butyl acetate
Flash point, °C (ISO 3679)	24
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.04
Type of fatty acid	Peanut oil
Fatty Acid content, %	40

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

### 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 (1) or Syloid® Silica ED 30 (2), preferably in combination with a polyethylene or polypropylene wax, like Crayvallac® WN-1495 (3), Crayvallac® WN-1135 (3) or wax dispersions like Crayvallac® WS-8050 (3).

Notes: (1) Evonik Industries AG, (2) Grace, (3) Arkema

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & 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 9 months from the shipping date

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### Arkema Coating Resins

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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.