

SYNOCURE® 210 BA 40

INDUSTRIAL WOOD

ARKEMA COATING RESINS

Product Application details

SYNOCURE® 210 BA 40 is designed for use in extremely fast drying coatings for industrial wood finishing.

SYNOCURE® 210 BA 40 is specifically adapted to use in varnishes for industrial furniture finishing.

SYNOCURE® 210 BA 40 quickly achieves a good blocking resistance and in spite of its relatively low hydroxyl value provides a good resistance to household chemicals.

In combination with aliphatic polyisocyanates like Desmodur® N series (1) the coating film shows excellent drying and hardness without using CAB in the formulation.

Performance Benefits

- Good blocking resistance
- Good resistance to household chemicals

Polymer Type

- Solventborne Acrylic

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	39 - 41
Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp4) (ISO 2555)	3000 - 5000
Iodine Colour index, (DIN EN 1557)	1 max
Acid value, mg KOH/g (ISO 2114)	12 max

Other Characteristics¹

Volatile	Butyl acetate
Flash point, °C (ISO 3679)	24
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	0.98
Hydroxyl Content, %	1.0

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

SYNOCURE® 210 BA 40 is compatible with aromatic and aliphatic polyisocyanates like Desmodur® HL, L, N 75, N 3390 (1) or Tolonate™ HDB 75 MX (2).

SYNOCURE® 210 BA 40 may be reacted with most aliphatic and aromatic types of polyisocyanates, like Desmodur® N 75, N 3390, L, HL, IL (1) etc. The compatibility with Desmodur® HL (1) however may be affected after prolonged storage of the polyisocyanate.

Due to the quick physical drying of SYNOCURE® 210 BA 40 an addition of catalysts is normally not required.

SYNOCURE® 210 BA 40 may be pigmented with all neutral pigments and extenders.

SOLUBILITY

SYNOCURE® 210 BA 40 may be thinned in all solvents suitable for 2 K-PU-systems, like esters, aromatic hydrocarbons and ketones.

COMPATIBILITY

SYNOCURE® 210 BA 40 is partly compatible with cellulose acetate butyrates and nitrocellulose (sometimes reaction resulting in viscosity increase).

Notes: (1) Bayer MaterialScience, (2) Vencorex Chemicals

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOCURE® 210 BA 40 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 12 months from the shipping date

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See SDS for Health & Safety Considerations.

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For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

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