

# SYNOLAC® 5201 X 55

GENERAL INDUSTRY

ARKEMA COATING RESINS

## Product Application details

SYNOLAC® 5201 X 55 is an acrylic modified short oil alkyd resin recommended for fast air drying and low bake industrial coatings. Application and overcoating properties are exceptionally good for a resin of this type.

## Performance Benefits

- Good gloss
- Good colour
- Good colour retention
- Good adhesion
- Good flexibility

## Polymer Type

- Solventborne Alkyd

## Sales Specifications

|  |             |
|--|-------------|
| Solid Content at 125°C, % (ISO 3251)                                 | 53.5 - 56.5 |
| Viscosity at 25°C, mPa.s (Brookfield SC4-25/13R, 13.2s-1) (ISO 3219) | 1400 - 1800 |
| Colour, Gardner scale (ISO 4630)                                     | 7 max       |
| Acid value, mg KOH/g (ISO 2114)                                      | 18 max      |

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

|   |                           |
|---|---------------------------|
| Volatile  | Xylene                    |
| Flash point, °C (ISO 3679)                          | 25                        |
| Density / Specific Gravity at 25°C, g/ml (ISO 2811) | 0.99                      |
| Type of fatty acid                                  | Fatty acids linoleic rich |
| Fatty Acid content, %                               | 25                        |
| Modification  | Acrylic monomers          |

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

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

## Formulation Guidelines

### DRIERS

For SYNOLAC® 5201 X 55, a suitable recommendation for drier modification is 0.01-0.03% cobalt as metal on solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of the drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

The use of antiskinning agent is essential to prevent in-can skinning of the finished product.

### SOLUBILITY

SYNOLAC® 5201 X 55 is completely soluble in aromatic hydrocarbons, esters, ketones and glycol ethers and has a limited solubility in aliphatic hydrocarbons and alcohols.

### COMPATIBILITY

SYNOLAC® 5201 X 55 is completely compatible with some styrenated alkyd resins, amino resins, hard resins, short oil alkyd resins and nitrocellulose.

It has a limited compatibility with some medium oil length alkyd resins, acrylic copolymers and some epoxy esters.

**SYNOLAC®**

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

SYNOLAC® 5201 X 55 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 6 months from the shipping date

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### Arkema Coating Resins

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The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A', 'R', 'K', 'E', and 'M' are in dark blue, while the 'A' at the end is in green.