

# SYNOLAC<sup>®</sup> O7X

Saturated (Oil Free) Polyester

ARKEMA COATING RESINS

## Product Application details

SYNOLAC<sup>®</sup> O7X is branched polyester for use in combination with amino resins. SYNOLAC<sup>®</sup> O7X has good exterior durability, mechanical properties, gloss and gloss retention. The inter-coat adhesion is very good and SYNOLAC<sup>®</sup> O7X shows little yellowing when over-baked.

## Performance Benefits

- Good exterior durability
- Good mechanical Properties
- Good gloss
- Good gloss retention

## Polymer Type

- Solventborne Polyester

## Sales Specifications

|                                      |           |
|--------------------------------------|-----------|
| Solid Content at 125°C, % (ISO 3251) | 70 - 72   |
| Viscosity at 25°C, Gardner Holdt     | Z2 – Z3Z4 |
| Colour, Gardner scale (ASTM D1544)   | 1 max     |
| Acid value, mg KOH/g (ISO 2114)      | 4-12      |

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

|   |        |
|---|--------|
| Volatile  | Xylene |
| Density / Specific Gravity at 25°C, g/ml (ISO 2811) | 1.06   |
| OH Value, mg KOH/g                                  | 50     |
| Hydroxyl Context, %                                 | 1.51   |

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

## RECOMMENDATIONS FOR USE

SYNOLAC<sup>®</sup> O7X is recommended for use in primer/topcoat for domestic appliances, heating panels, refrigerators and electrical fittings.

SYNOLAC<sup>®</sup> O7X will react with most melamine formaldehyde resins at ratio of between 70:30 and 85:15 (polyester: amino)

## Formulation Guidelines

### SOLUBILITY

|                       |             |
|-----------------------|-------------|
| Ester                 | Complete    |
| Ketone                | Complete    |
| Glycol Ether          | Complete    |
| Aromatic hydrocarbon  | Partial     |
| Alcohol               | Partial     |
| Aliphatic Hydrocarbon | Not Soluble |

### COMPATIBILITY

|                   |           |
|-------------------|-----------|
| Isocyanate Resins | Very Good |
| Melamine Resins   | Very Good |
| Phenolic Resin    | Good      |
| Polyester Resins  | Good      |
| Epoxy Resins      | Good      |
| Urea Resins       | Fair      |
| Acrylic Resins    | Fair      |

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### **Product Safety**

Please refer to the corresponding Safety Data Sheet.

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### **Storage & Handling**

SYNOLAC® O7X should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 35°C. Exposure to direct sunlight should be avoided.

In the above mentioned storage conditions the shelf life of the resin will be 12 months.

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