# SYNOLAC® O7X

**Saturated (Oil Free) Polyester**

**ARKEMA COATING RESINS**

## Product Application details

SYNOLAC® O7X is branched polyester for use in combination with amino resins.
SYNOLAC® O7X has good exterior durability, mechanical properties, gloss and gloss retention. The inter-coat adhesion is very good and SYNOLAC® 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[1]

| | |
|---|---|
| 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

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

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

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

SOLUBILITY

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

SYNOLAC® BY ARKEMA

COMPATIBILITY

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

## Product Safety

Please refer to the corresponding Safety Data Sheet.

## 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.



**Arkema Coating Resins Malaysia Sdn Bhd**
PLO 491, Jalan Keluli, Pasir Gudang Industrial Estate,
81700 Pasir Gudang, Johor, Malaysia.
arkema.com - **arkemacoatingresins.com**

Arkema Coating Resins Malaysia Sdn. Bhd.
- 05/2017