

# UNITHANE® 373 X 60

GENERAL INDUSTRY

ARKEMA COATING RESINS

## Product Application details

UNITHANE® 373 X 60 is a very fast drying, urethane modified, short oil alkyd especially for combinations with polyvinylchloride copolymers.

UNITHANE® 373 X 60 is particularly suited to the manufacture of protective coatings for industrial use in combination with PVC-copolymers, e.g. for agricultural machines, containers or chassis paints.

UNITHANE® 373 X 60 distinguishes by its very rapid drying and quick development of hardness even in thick films. Dry films show a good adhesion, water resistance and excellent anti corrosive properties. Combinations with PVC-copolymers, achieve an excellent chemical resistance and a minimum permeability for water vapour.

## Polymer Type

- Solventborne Urethane Alkyd

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Reduced Viscosity at 20°C, s (4mm, 50% in Xylene) (DIN 53 211)	120 - 150
Iodine Colour index, (50% in Xylene) (DIN EN 1557)	5 max
Acid value, mg KOH/g (ISO 2114)	3 max

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

Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp4) (ISO 2555)	4000
Volatile	Xylene
Flash point, °C (ISO 3679)	23
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.00
Type of fatty acid	Drying, vegetable fatty acids
Fatty Acid content, %	37

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

### DRIERS

UNITHANE® 373 X 60 shows an excellent drying with 0,02% - 0.04% cobalt and 0.6% - 0.9% zirconium (metal on solid resin). Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each 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

UNITHANE® 373 X 60 is completely soluble in aromatic hydrocarbons, esters, ketones and partially soluble in low flash point white spirit and alcohols.

### COMPATIBILITY

UNITHANE® 373 X 60 is compatible with many short- and medium-oil alkyds, like SYNOLAC® 271 X 60, 272 X 60, 385 X 60, Laroflex® series (1), Laropal® K80 (1) and nitrocellulose. It is incompatible with long-oil alkyds and styrenated alkyds.

UNITHANE® 373 X 60 can easily be pigmented with titanium dioxide pigments and most inorganic and organic colour pigments. In anticorrosive systems zinc phosphate pigments can be used.

Notes: (1) BASF

UNITHANE®

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

UNITHANE® 373 X 60 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.