

# SYNOCRYL<sup>®</sup> 874X-45

ARKEMA COATING RESINS

## Product Application details

SYNOCRYL<sup>®</sup> 874X-45 is a thermoplastic acrylic copolymer possessing the excellent color, gloss retention and good adhesion to plastics, metals, wood and fabrics are the properties of resin.

## Performance

### Benefits

- Excellent color retention at elevated temperature
- Excellent soap and detergent resistance
- Excellent adhesion on bare metal
- Good compatibility with broad range of resin and plasticizers

## Polymer Type

- Solvent borne Acrylic

## Sales

### Specifications

Non-volatile content, % (ISO 3251, 1gm, 1h, 125°C)	43-47
Viscosity in Poise at 25°C, Brookfield Viscometer (ISO 3219)	10 - 15
Colour, Gardner scale (ISO 4630)	Max 1
Acid value, mg KOH/g (ISO 2114)	Max 10

Volatile Aromatic solvent	Xylene
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## Other

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

Density at 25°C, g/cm <sup>3</sup> (ISO 2811)	0.97
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## Formulating Guidelines

### RECOMMENDATIONS FOR USE

Water white films are deposited from the resin, and clear or pigmented films possess fast air dry times and are resistant to soaps and detergents. The films are also resistant to degradation when exposed to heat or edging. The versatility of SYNOCRYL 874X-45 enables it to be used in variety of finishes either as the sole vehicle in clear or pigmented coatings for various plastics, metal, wood and fabrics

or as a modifying resin to improve the drying time, durability and resistance properties of other coating systems

SYNOCRYL 874X-45 is soluble in a range of aromatic hydrocarbons, esters and ketones. The resin has limited solubility in aliphatic hydrocarbons and alcohols.

SYNOCRYL 874X-45 is compatible with a range of cellulose esters, vinyl resins and chlorinated rubber.

SYNOCURE® 874X-45 should only be used in applications consistent with the above recommendations.

Proposals to use the resin in other ways should be discussed with Arkema before any action is taken.

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## **Product & Safety**

Please refer to the corresponding Safety Data Sheet

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## **Storage & Handling**

SYNOCURE® 874X-45 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.

Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the date of manufacturing.

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