

SYNOCRYL[®] 873S-45

ARKEMA COATING RESINS

Product Application details SYNOCRYL[®] 873S-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 gloss and color retention
 - 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 - 20
	Colour, Gardner scale (ISO 4630)	1 Max
	Acid value, mg KOH/g (ISO 2114)	10 Max

Other Characteristics¹	Volatile Aromatic solvent	Xylene/C9(1:2)
	Density at 25°C, g/cm ³ (ISO 2811)	0.97

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[®] 873S-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[®] 873S-45 is soluble in a range of aromatic hydrocarbons, esters and ketones. The resin has limited solubility in aliphatic hydrocarbons and alcohols.

SYNOCRYL[®] 873S-45 is compatible with a range of cellulose esters, vinyl resins and chlorinated rubber.

SYNOCRYL® 873S-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.

Product & Safety

Please refer to the corresponding Safety Data Sheet

Storage & Handling

SYNOCRYL® 873S-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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