

SYNOCRYL[®] 806S-70

ARKEMA COATING RESINS

Product Application details SYNOCRYL[®] 806S-70 is a thermosetting hydroxylated acrylic copolymer for combination with amino resins. Suitable for Basecoat, wet on wet systems especially automotive topcoats. Good compatibility with cellulose acetate-butyrate resins.

Performance Benefits

- Excellent CAB compatibility
- Excellent gloss
- Excellent durability
- Good adhesion and hardness

Polymer Type

- Solvent borne Acrylic

Sales	Non-volatile content at 125°C, % (ISO 3251)	68 - 72
	Viscosity in Poise at 25°C, Brookfield (ISO 3219)	40 - 60

Specifications	Colour, Gardner scale (ISO 4630)	1 Max
	Acid value, mg KOH/g (ISO 2114)	8 Max

Volatile	Xylene/ Butyl Acetate
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.03

Characteristics¹

Note: Acid 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

RECOMMENDATIONS FOR USE

SYNOCRYL[®] 806S-70 have excellent CAB compatibility and it should be used in conjunction with amino resins to give coatings which cure in 30 minutes at 120 - 130°C. Butylated melamine formaldehyde resin are preferred and should be employed at acrylic/amino resin solid ratio of between 60:40 and 80:20. Optimum properties of hardness and flexibility can be obtained at a 70:30 acrylic/amino resin solid ratio.

Formulation Guidelines

SOLUBILITY:

SYNOCRYL[®] 806S-70 is soluble in aromatic hydrocarbons, esters, ketones and alcohols. No solubility in aliphatic hydrocarbons.

COMPATIBILITY:

SYNOCRYL[®] 806S-70 is compatible with CAB; similar grades of thermosetting acrylic resins, etherified amino resins and some acrylic polyol resin.

SYNOCRYL[®] 806S-70 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.

SYNOCRYL
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Product**Safety**

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOCRYL® 806S-70 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 condition the shelf life of the resin will be 12 months from the date of manufacture.

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