

SYNOCRYL® 846S-60

ARKEMA COATING RESINS

Product Application details SYNOCRYL® 846S-60 is hydroxyl functional thermosetting CAB compatible acrylic resin. SYNOCRYL® 846S-60 is a thermosetting hydroxylated acrylic copolymer for crosslinking with amino resins. Suitable for Basecoat for wet on wet systems especially automotive topcoats. Good compatibility with cellulose acetate-butyrate resins.

Performance Benefits

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

Polymer Type

- Solvent borne Acrylic

Sales Specifications	Solid Content at 125°C, % (ISO 3251, 1gm, 1h, 125°C)	58 - 62
	Viscosity in Second at 30°C, 50% in BA on FC B4	60 – 70
	Colour, Gardner scale (ISO 4630)	Max 1
	Acid value, mg KOH/g (ISO 2114)	Max 15

Characteristics¹	Volatile	Xylene, Butanol
	Hydroxyl Content, %	2.3
	Density / Specific Gravity at 20°C, g/ml (ISO 2811)	0.99

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

Formulation Guidelines

RECOMMENDATIONS FOR USE

SYNOCRYL® 846S-60 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.

SOLUBILITY:

The solvents chosen for paints based on SYNOCRYL® 846S-60 should be free from water and not contain groups that react with isocyanates. Soluble in aromatic hydrocarbons, esters, ketones and alcohols. No solubility in aliphatic hydrocarbons.

COMPATIBILITY:

SYNOCRYL® 846S-60 is compatible with CAB; similar grades of thermosetting acrylic resins, amino resins and some acrylic polyol resin.

SYNOCRYL
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Product**Safety**

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOCRYL® 846S-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 condition the shelf life of the resin will be 12 months from the date of manufacturing.

July 2019

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