

# SYNOCRYL® 829S-60

ARKEMA COATING RESINS

## Product Application details

SYNOCRYL® 829S-60 is hydroxyl functional thermosetting acrylic resin developed for use in low bake stoving system for auto body paints and lacquers.

SYNOCRYL® 829S-60 is recommended for the development of the acrylic based OEM, Industrial and vehicle refinish applications having excellent Petrol and oil resistance.

Particular performance characteristics achieved with SYNOCRYL® 829S-60 include:

## Performance Benefits

- Excellent gloss and colour retention
- Excellent durability.
- Excellent polishing properties.
- Excellent gasoline resistance.
- Good adhesion and hardness.

## Polymer Type

- Solvent borne Acrylic

## Sales Specifications

Non-volatile content, % (ISO 3251, 1gm, 1h, 125°C)	58 - 62
Viscosity in Poise at 25°C, Brookfield Viscometer (ISO 3219)	10 - 15
Colour, Gardner scale (ISO 4630)	1 Max
Acid value, mg KOH/g (ISO 2114)	15 - 20

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

Volatile Aromatic solvent	Xylene / Cellosolve Acetate (3:1)
Density at 25°C, g/cm <sup>3</sup> (ISO 2811)	1.00

Note: Acid value value quoted relative to solid resin

<sup>1</sup> 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® 829S-60 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. Use of 5 - 10% of acid catalyst solution on resin solids can be used to accelerate curing.

### SOLUBILITY:

SYNOCRYL® 829S-60 is soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. Limited solubility in alcohols.

SYNOCRYL  
BY ARKEMA

**COMPATIBILITY:**

SYNOCRYL® 829S-60 is compatible with similar grades of thermosetting acrylic resins and all types of etherified amino resins.

SYNOCRYL® 829S-60 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® 829S-60 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® 829S-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.

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

---

**October 2016**

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

The products described in the document are not Medical grades designated for Medical Device applications. Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications. Arkema has designated Medical grades to be used for Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

**Arkema Chemicals India Pvt Ltd**  
**D43 (1), Trans Thane Creek, MIDC Industrial Area,**  
**Shiravane, Nerul, Navi Mumbai 400706, India**  
**Telephone: +91 22 6737 7100**  
**Fax: +91 22 2768 7998**

**ARKEMA**  
INNOVATIVE CHEMISTRY

